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Holco
 QUALITY

SEED BOOK 1922

**HOLCO
MARKET GARDENER
EXTRA EARLY PEAS**
 Pkt. 10c., $\frac{1}{2}$ lb. 20c.,
 lb. 35c.

**HOLCO
EARLIEST
CAULIFLOWER**
 Pkt. 25c., $\frac{1}{4}$ oz. 85c.,
 oz. \$3.00

**HOLCO
FIREBALL BEET**
 Pkt. 10c., oz. 20c.
 $\frac{1}{4}$ lb. 45c.

**GOLDEN BANTAM
CORN**
 Pkt. 10c., $\frac{1}{2}$ lb. 20c.
 lb. 30c.

**SURE CROP STRINGLESS
WAX BEANS**
 Pkt. 10c., $\frac{1}{2}$ lb. 20c.
 lb. 35c.

STECHER CO. ROCHESTER, N.Y.

THE
HOLMES-LEATHERMAN SEED COMPANY
 CANTON, OHIO



VIEW AT OUR SEED GARDENS

HOLMES-LEATHERMAN Seed Gardens are located near North Canton, Ohio, six miles north of Canton. It is here that "Holco" Seeds are tested for their quality and purity, after preliminary vitality tests are made in soil in the greenhouse.



VEGETABLE SEEDS

5 Full-Sized Packets for 25 Cents, Postpaid

LAST year we made this offer, and it proved so extremely popular that we continue it for 1922. These five varieties of vegetables should be grown in every garden, large or small. They are of exceptional value and quality and you cannot afford to omit them from your order.

Each packet is of our regular standard size, and if they were purchased separately would cost you 50 cents.

1 Packet Beet, Crosby Egyptian	1 Packet Cucumber, White Spine
1 Packet Lettuce, Curled Simpson	1 Packet Radish, Crimson Giant
1 Packet Tomato, Stone	

This Collection of 5 Packets, Together with the Cultural Leaflet,
Will be Mailed to Your Address, postage Prepaid, for 25 Cents

SIX "HOLCO" SUPERB SPENCER SWEET PEAS FOR 25c.

A fine collection of six magnificent Spencers, including up-to-date varieties. We will send one full size packet each of six named, with our leaflet on Sweet Pea Culture, for 25 cts.

Illuminator
Royal Purple

Hercules
King White

Fiery Cross
Wedgwood

To "Holco" Friends, Our Customers:

Seeds are perhaps of more importance to the agriculture of this country than anything else the farmer or gardener uses.

Every gardener and farmer, big or little, knows that one of the most essential things to be considered in raising big crops of good, sound vegetables or other farm or garden products, is the planting of the best grade of seeds. In seeds, as in many other things, the best is always the cheapest.

Much money may be saved by the grower by the intelligent purchase of seed, which, in turn may lead, through the planting of better seed, to larger returns from increased production on a smaller acreage.

Holco Seeds are unequalled for reliability, quality and purity.

Our aim is to increase our business and retain our customers by giving prompt service, fair prices, and seeds that will stand the test. Your orders will at all times receive prompt and accurate attention.

In view of the fact that you should have your seed on hand when needed for sowing, it is advisable to place your order with us early and prevent disappointment caused by unavoidable delays.

Hoping to have the pleasure of filling your order again this year, we remain

Faithfully yours,

THE HOLMES-LEATHERMAN SEED CO.

How to Order

Please be careful to **sign your name, Postoffice, County, and State** on each and every letter or order sent us. We do a "Cash with Order" business, and you can inquire of any bank or trust company, or of your neighbor as to our responsibility.

It is much safer to send the money for the goods in the form of an express or post office money order, a bank draft or your own personal bank check. We accept postage stamps for cash.

Farm Seed Prices subject to market changes. Before buying, ask for our current Price List.

Seed Sowing in a Few Words

In planting seed use a garden line to insure the rows being straight. This adds to the appearance of the garden and the straight rows are more easily taken care of. Do not plant seeds too deep or too close together. The general rule for depth is to cover the seed about four times its own diameter. For rules for distance, see the directions given with the cultural notes for each vegetable. Have the soil for covering the seeds fine and light, and make it firm only by pressing lightly with a flat board when the seeds are in. As soon as the little plants appear, cultivation of the soil must be started to keep down the weeds and to conserve moisture. Do not cultivate more than an inch deep. In transplanting seedlings or setting out young tomato or other plants, choose a cloudy day if possible or perform the operation late in the afternoon. Dig a hole deep enough to receive the roots of the plant without bending. Put in a little fine soil about the roots, pour in a cupful or two of water, and fill in the hole with earth, leaving it dry on top. This prevents the sun from evaporating the moisture, and the roots remain cool and damp for several days. Press the soil firmly about the little plant with your thumbs. This is very important as the young plant must have a firm foothold if it is to begin establishing itself at once. If the weather is hot and dry, protect the newly planted seedlings with inverted flower-pots or light frames covered with paper or muslin during the heat of the day, uncovering them toward night.

Seeds Delivered Free

OUR PRICES are for seeds, ordered by the packet ounce, quarter pound, half pound, pound and five pounds. Delivered to your door postpaid. On larger quantities of Seeds, Plants, Shrubs, Potatoes, Onion Sets, farm Seeds, Tools, you pay express or freight charges.

Tell us whether you want goods shipped by freight or, express.

If not otherwise directed, we will use our judgement as to the best way to ship.

WE GUARANTEE, safe delivery; complete satisfaction.

If the seeds purchased from us are in any way unsatisfactory, your money, to the full amount of the purchase price including transportation charges, will be returned to you.

W F Stockbury, Elkton, O — "I sent you my first order for seeds this year, and I never had better and stronger seeds. We had the finest beans, peas, lettuce, radishes, beets, swiss chard, cabbage, and cucumbers. All we wanted and to spare. My early cabbage is wonderful, celery fine, tomatoes will soon be ripe and other things coming on finely. In fact, I have a garden of which I am justly proud, and take pleasure in showing to my neighbors."

NOTE—There are so many contingencies to be encountered in growing plants from seed and in setting out plants that are dependent on the weather, and other conditions over which we have no control, that success in planting is not altogether dependent on the seed or plant. We will send out only seed which we believe will grow and produce the kind of plant and variety represented, but:

The Holmes-Letherman Seed Co., give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, plants or roots they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.



Tested Seeds---Novelties and Specialties

Bountiful Bean

A Prolific and Continuous Bearer. The First in Spring, the Last in Fall. Absolutely Stringless, Very Tender and of Delicious Flavor

This superior variety is a distinct improvement in green Bush Beans and has become exceedingly popular wherever known. Our customers who have grown it are enthusiastic in its praise. The plant is remarkably handsome and of thrifty growth, being practically rust and mildew proof. Very hardy, extremely early, very prolific, bears continuously for several weeks; the first to give pods fit to pick in the spring, and the last to yield edible pods in the fall. But the crowning merit of this grand Bush Bean is in the rich green pods, which are of immense size, thick, broad, extra long, very uniform in shape, solid, meaty, of high quality, meltingly tender, having a delicious flavor exclusively their own. Moreover, the pods are absolutely stringless, entirely free from any tough, membraneous lining, not only when young, but this tender "snap brittle" quality is retained even into maturity. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more, at 20 cts. lb.**

Mrs. Louis S. Fitz, Ohio.—"I was much pleased with the promptness with which you filled my order. Your Bountiful Beans have grown fine."

Sure-Crop Stringless Wax

An Absolutely Stringless Bush Bean

Enormous Pod Good Yields

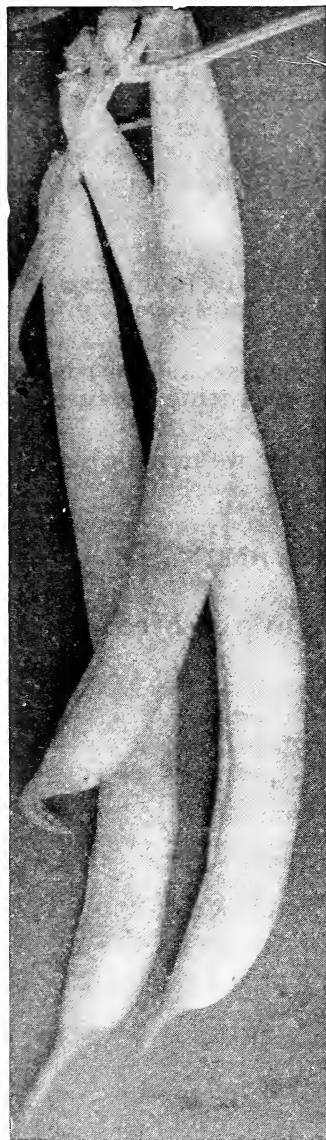
An Early Flat Wax-Podded Variety. Golden Yellow Wax Pods Without Rust

A comparatively new variety, but has come very rapidly into general favor. It is in our opinion a decided acquisition. The plant is strong, dwarf, not too strongly branching, with large, almost smooth, lustrous green leaves. Bears an enormous crop of pods of a most beautifully yellow color. This color is maintained clear to the tips. The pods are about six inches long and almost straight, but with the valuable characteristic of curving slightly at the ends towards maturity, thus avoiding contact with the ground, and preventing liability to rust and rot, also preserving intact the natural beauty of the pod. We have found it very early, which alone renders it extremely valuable. The color develops very early in the growth of the pods, which remain tender for a long period. The flavor is excellent, and both plant and pod are free from rust and blight. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more at 25 cts. lb.**

J. G. Exline, Stark County, O.—"The Sure-Crop Beans purchased from you are a wonder. I planted Sure-Crop June 27, picked August 19, fifty days. Can you beat that?"



SURE-CROP STRINGLESS WAX BEANS
The Best of Them All



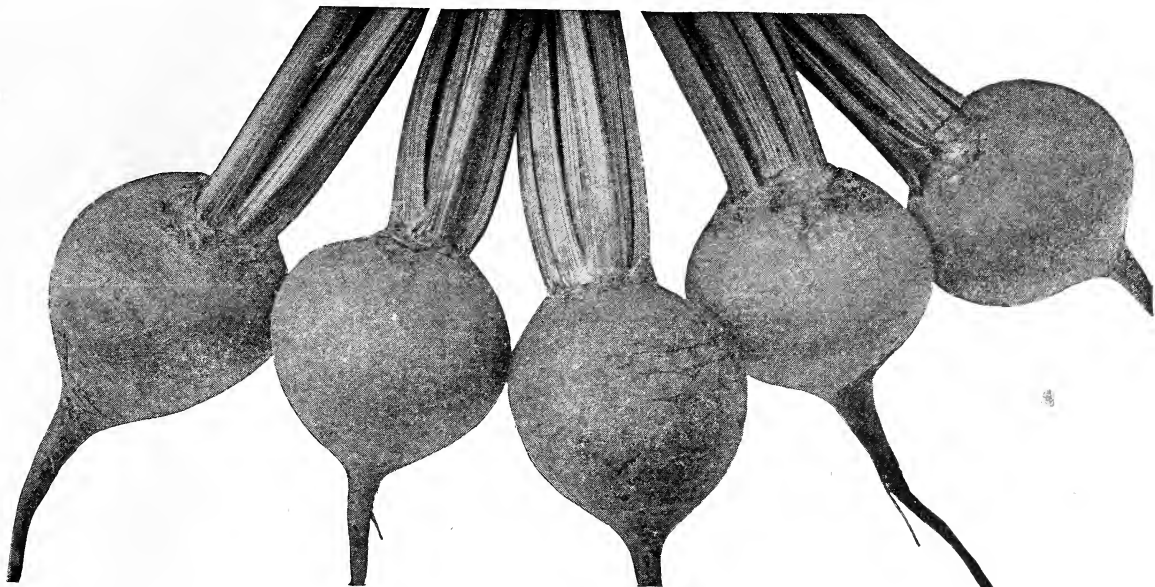
BOUNTIFUL BEANS—Most Desirable Sort for the Home and Market Garden

Round Pod Kidney Wax

(Brittle Wax)

Early Yellow Bean, Brittle, Stringless, Tender

Plants rather small, erect, strictly bush form, foliage medium green. Pods medium to large, curved, round, deeply creased, yellow, very brittle absolutely stringless, remaining in good condition for use until full grown. The dry seeds are medium-sized, rather slender, slightly curved or kidney-shaped, white with irregular black markings around the eye. When cooked, the pods retain a good yellow color, are meaty, tender and smooth to the tongue, with a moderately strong, pleasing flavor. Quality excellent. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more at 25 cts., per lb.**



"Holco" Fireball Beet

A Specially Selected Strain—It Has No Superior

An Early Maturing Beet. The Finest Shaped Beet in the World. The Deepest Blood Red of All Beets. Has No Equal for Table Use. The Most Handsome Beet Grown.

We want you to be sure to order this **DEEPEST BLOOD-RED BEET**. It has no superior. With critical market-gardeners, it is very popular. "HOLCO" FIREBALL has attractive appearance, perfect globe shape, very fine grained, rich and exceedingly tender flesh. The leaves are small, upright and borne on slender stems, occupying but a small portion of the bulb.

The roots are uniformly medium sized, with a very small tap root. The surface is remarkably smooth. The color of the skin and flesh is blood-red, the **DEEPEST BLACK-BLOOD RED** of any beet. They are crisp, tender and sweet. A most valuable sort to grow for early second crop successive plantings, and for late planting for Winter use. You will make no mistake when you sow "HOLCO" FIREBALL. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, 5 lbs. \$6.75, 10 lbs. \$12.50. Postpaid.

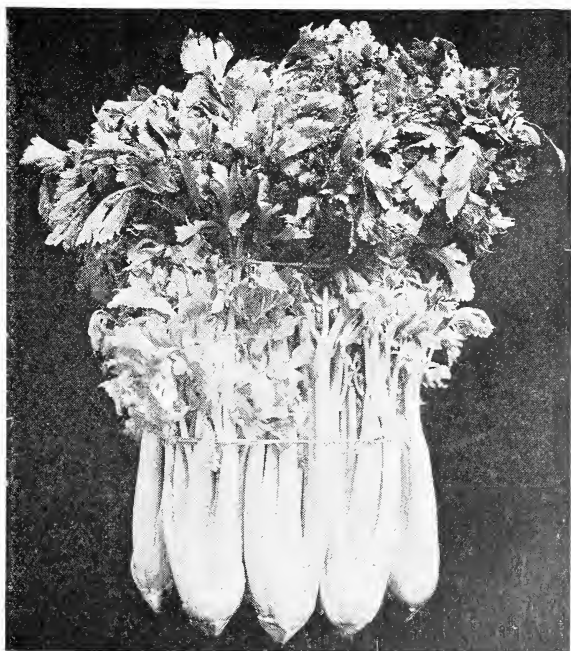
Easy-Blanching Celery

The Easiest and Quickest to Blanch

A new variety of great merit, with remarkably easy-blanching qualities. Plant is of medium height and compact, having light-green foliage, stalks are thick, very tender and brittle, with a rich flavor. Those who have never been successful in growing good celery may plant it with the assurance that the crop will equal in quality and appearance any celery grown by commercial growers, and it will be found useful for early crop. The plants make a quick healthy growth. In some sections where the land has become worn out, or "celery sick," celery has failed to produce good crops. On such land as this, Easy-Blanching Celery has been grown with remarkable success, producing just as good crops as ever, while right alongside the Self-Blanching sorts have failed almost completely. We recommend Easy-Blanching Celery to the amateur gardener as well as the commercial Celery Grower. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50 lb. \$8.50. Postpaid.

Peter Nei, Huron Co., Ohio.—"Easy-Blanching celery seed purchased of you produced the finest celery we ever had. Kindly send me $\frac{1}{2}$ lb., and 1 lb. of your 'Holco' Ohio Yellow Globe Onions."

Mrs. Noah J. N. Miller, Tuscarawas Co., O.—"Your Easy Blanching Celery and Copenhagen Cabbage were fine."



EASY BLANCHING CELERY

Grown from Our High Quality Seed. One of the Best for Market

Danish Ballhead or Hollander Cabbage

This is the most popular and profitable late cabbage in existence to-day. Very hardy, sure heading, extremely solid, one of the very best keepers and an excellent shipper. Heads are medium size, round, and in quality second to none. Seed we offer is grown for us by the best growers in Denmark and will produce more uniform heads and greater yields than can be grown from stock obtained elsewhere. **Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.50.**

Remember this price is for our Imported Danish-grown Seed.—see illustration

Danish Roundhead Cabbage

Short-stemmed, having less outer foliage, this sort is better able to resist blight, being, in most sections, as vigorous in growth as the best American types. Heads average larger and mature nearly two weeks earlier. Are unusually solid, and beautifully white when trimmed. This cabbage will head under the most adverse conditions never failing to produce a crop. A Splendid keeper when stored away for the later winter and spring. Seed imported direct from Denmark by us. **Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00 lb. \$3.50.**

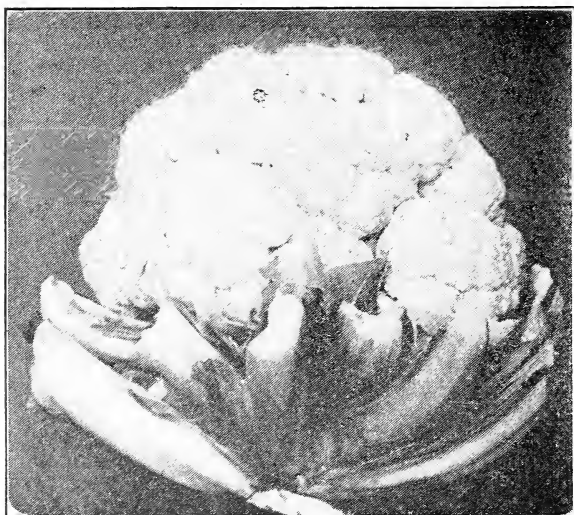
J. P. Arnold and Bro., Beaver Co., Pa.—“Your Danish Ballhead Cabbage Seed made a perfect stand in our plant bed.”



LATE CABBAGE, DANISH BALLHEAD, TALL-STEM



LATE CABBAGE, DANISH ROUNDHEAD, SHORT-STEM



“HOLCO” EARLIEST CAULIFLOWER

It is remarkable for extreme earliness and certainty to produce heads.

“Holco” Earliest Cauliflower

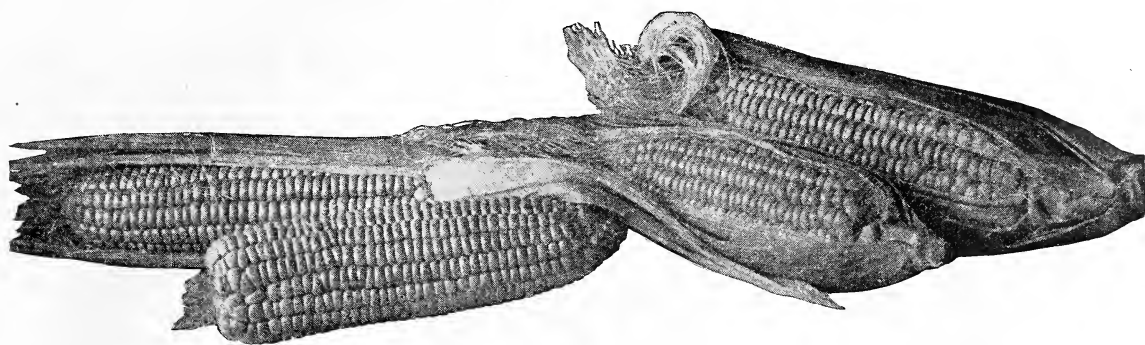
The earliest, quick-growing Cauliflower for family or market-garden, forcing or cold-frames. It heads where others fail. “Holco” Earliest is superior to all others. The earliest of all Cauliflowers. Its close-growing, compact habit, enables one-third more to be planted on the same space of ground than can be done with other varieties. For forcing under glass during winter and spring, “Holco” Earliest is peculiarly well adapted, from its dwarf growth and short outer leaves. Carefully grown for our trade in Denmark, where the finest Cauliflower is produced. **Pkt. 25 cts., ¼ oz. 85 cts., oz. \$3.00 ¼ lb. \$8.50.**

Danvers Half Long Carrot

This is the most popular variety used in America, the demand for it usually exceeding that of any other variety by at least 50%, and it is used for both table and stock. The true type is half stump or semi-pointed from 7 to 7½ inches in length from the crown to the tip or where the root begins to taper abruptly. The shoulder at the crown is from 2 to 2½ inches thick and about ¾-inch thick just where the root begins to taper to the tip. The color is bright orange scarlet. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 85 cts.**

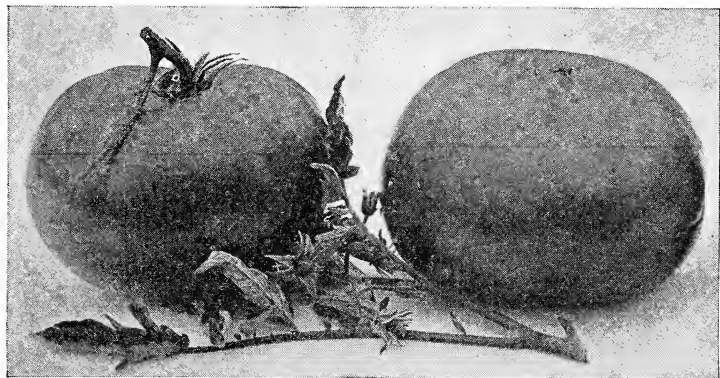


DANVERS CARROT
One of the most popular sorts



Holmes' Premo Large-Eared Early Sweet Corn

Ready for the table in 60 days. Must be planted fully as early as the Adams. The young plants stand light frosts, where the other varieties are tender, and the seed will not rot when planted before the soil becomes warm. The stalks grow about 5 ft. high, and bear two uniformly-sized, finely-appearing ears, 7 to 9 in. long, to each stalk. **HOLMES' PREMO** is of the best quality. The ears are well filled to the very tip. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 35 cts. 5 lb. \$1.50** Postpaid; 10 lbs. or more 20 cts., lb.



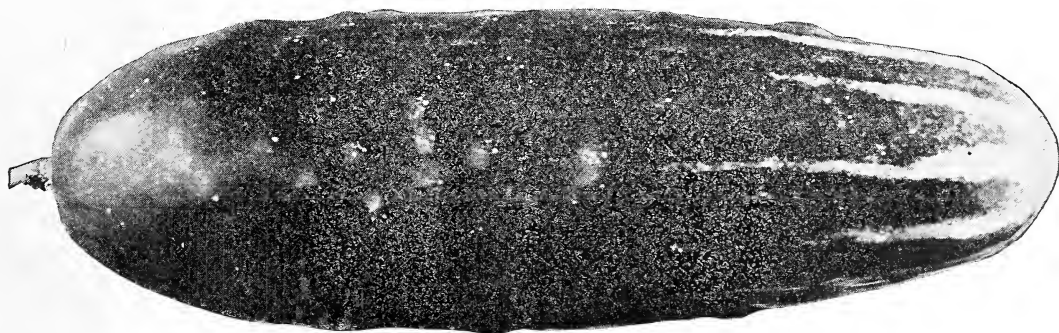
BONNY BEST TOMATO
One of the Sweetest Tomatoes Grown

Bonny Best An Early, Red Tomato

One of the very best tomatoes that you can grow. Originated in Montgomery County, Pennsylvania. Fruits being one week to ten days earlier than Chalk's Early Jewel. It is considered one of the finest sorts for shipping, ever introduced. Bonny Best tomatoes grow to a height of about 2½ ft. Fruits are born in clusters. It is one of the sweetest tomatoes in cultivation. For the shipper and market gardener, it is one of the best. For the home garden it is none the less valuable. For its marvelous eating qualities, its beautiful appearance, and the ease with which it may be grown, we recommend it for the home garden. **Pkt. 10 cts., oz. 45 cts. ¼ lb. \$1.10, 1 lb. \$4.00** postpaid.

Early Fortune Cucumber (*Rich, Dark Green, "White Spine"*)

We believe we have the most uniform-shaped, dark green White Spine Cucumber grown, and one which is most desirable on account of its attractive appearance and good quality. This splendid White Spine sort was discovered in a field of Davis' Perfect, and is quite distinctly in a class by itself. The plant is early, very vigorous, with an exceptionally heavy, thick foliage, and is almost disease resistant and very productive. Fruits are uniformly nine inches long, slightly tapering toward each end, perfectly round and of a very rich, dark green color, which does not fade in shipping; flesh very thick, firm and crisp, and with exceedingly small seed cavity. Is excellent for slicing. **Early Fortune Cucumber** is one of the best that has been introduced in many years. If you do not grow this sort you should do so and give yourself one of the choicest cucumbers. **Pkt. 10 cts., oz. 25 cts., ¼ lb. 45 cts., 1 lb. \$1.50,** postpaid.



EARLY FORTUNE CUCUMBER
Considered the Finest Market Cucumber of the White Spine Type



BIG BOSTON LETTUCE
Grown From Our Selected Stock

A. McInnis, New Jersey.—"Your Big Boston Lettuce is much praised here. It grows to a large size, keeps well, is crisp and of good flavor."

John Dunlap, Columbus, O.—"We Prefer your Big Boston Lettuce to any other. Every plant heads up, and they are all solid"

Grand Rapids Lettuce

(Special Strain)

Probably the best of the loose-leaved varieties. Never forms a head, but produces an abundant crop of pale green leaves, slightly but closely crumpled, which, even when old, retain their characteristic tenderness and brittle character. Moreover, the flavor, even of the outside leaves, is fully equal to that of the heart leaves of many heading varieties. We strongly urge those who cannot succeed in getting Lettuce to head to grow Grand Rapids. The plant may be cut whole, or the outside leaves may be removed, leaving the younger ones to grow, thus forming a continuous crop in the garden. Owing to the fact that the lower leaves grow upright and clear of the ground, it rarely suffers from rot, and is therefore more largely grown for forcing than any other sort. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50. Postpaid.

Homer Dulabahn, Stark Co., O.—"Your Grand Rapids Lettuce is a fine strain. I find no straight leaf stalks. Our beds are a sight to look at."

S. Schisler and Son, Stark Co., O.—"We find your Grand Rapids Lettuce true to type and grows even and strong in the beds."

W. H. Weinschenk, New Castle.—"We had your strain of Grand Rapids Lettuce last year and find it very good."

Big Boston Lettuce

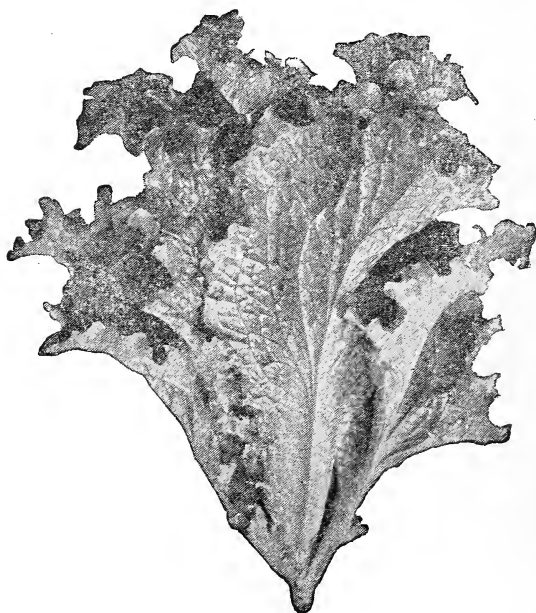
**Big, Compact, Tender, Crisp
Creamy, Buttery Heads**

Head large, very solid, light green, of excellent quality. May be sown the whole season and keeps its head very well. Big Boston is the most satisfactory variety to force in greenhouses and gently forced in a moderate temperature it makes perfect heads. For spring and early summer crops in the open ground it always brings a good crop and in the fall is used more than any other lettuce because it is not harmed by the early light frosts. Big Boston Lettuce extensively grown on muck land because of its fine heading qualities. It is of a delicate flavor, and a good shipper. No other variety that we know gives satisfaction under so many varying conditions. We heartily recommend our stock of Big Boston to the most discriminating trade. We believe the seed we offer is the best obtainable. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Chas. D. Camp, Ontario Co., N. Y.—"Enclosed find my order for 40 pounds of Big Boston Lettuce and 6 pounds of Golden Self Blanching Celery. You may ship as soon as convenient. I was well pleased with the Seed I purchased from you last year."

Rev. Abbes Mother Paulina, Superior, Springfield, Vt. We have always trusted you and you have been giving good service and sent us good seed.

Frank Meyers, Fla.—"My Lettuce is great. I think your Big Boston Lettuce is the finest I ever saw. The heads are so large, solid, and run even through the field."



GRAND RAPIDS A FINE FORCING LETTUCE

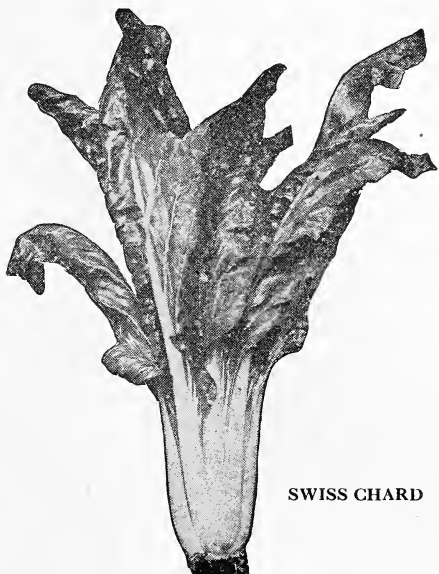


"HOLCO" OHIO YELLOW GLOBE ONION
A perfect specimen grown from our Quality Seed.

Giant Crimson Pepper

Sweetest and Largest Mango

Earliest maturing of the extremely large red, smooth, Sweet Peppers. Also known as "Ohio Crimson." Plant is vigorous and upright, growing 2½ to 3 ft. high, which is taller than the Chinese Giant and more productive, very large size, ripens earlier than any of the other very large sorts and averages heavier, as the flesh is exceptionally thick. Color, deep crimson when matured; flavor very mild. Pkt. 15 cts., oz. 60 cts., ¼ lb. \$1.75, lb. \$6.00.



SWISS CHARD

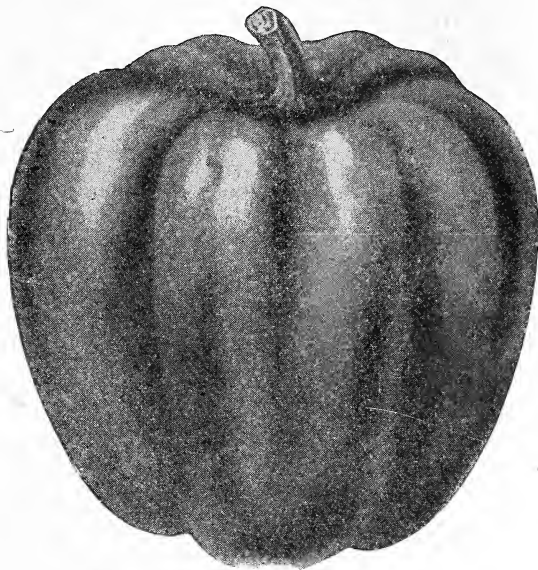
"Holco" Ohio Yellow Globe Onion

**Heavy and Solid—Enormous Yields—
Keeping Qualities Unsurpassed**

The most perfect strain of Yellow Globe Onion in existence. Early, sure cropper, largest yielder, long keeper. Mildest in flavor, attractive, handsome, bright, even color, ripens early and all at once; necks very small, and cure down to almost nothing. The firm, solid bulbs are excellent winter keepers and enormous yielders. This Onion is good for all classes of soil and on account of its quick maturing qualities we consider it to be the most valuable yellow onion for all markets.

As this is one of the most profitable market garden crops, needing a considerable outlay, too much care cannot be exercised in selecting the Stock Seed, the largest crop can only be obtained from planting most carefully selected seed. A few dollars an acre invested in seed of extra quality is made up many times in the crop raised from it.

Our supply of seed is grown in Northern Ohio. We can recommend this strain to the most critical grower. Pkt. 10 cts. oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.



GIANT CRIMSON PEPPER

A very mild-flavored Mango Pepper, suitable for stuffing, because of its size.

Swiss Chard, or Spinach Beet

Requires the same rich soil that other members of the beet family thrive in, and should be planted at the same time, when the ground is warm, in rows two feet apart. Drop three to four seeds to every inch and cover one-quarter inch deep. As the plants grow they may be thinned out and used for greens at any stage. When they approach full size, they should stand seven to ten inches apart in the row. The large leaves should be cut, one by one, with a sharp knife, an inch or two above the root. New leaves will grow to take their places, keeping up a supply till frost. Cook the leaves in the same manner as spinach, and the stalks are palatable if prepared and cooked like Asparagus. Swiss Chard may be canned, and is a most valuable vegetable for Winter use.

Giant Lucullus

Is more productive than the common plant. It grows to a height of two to two and one-half feet, and has thick, heavy, cream-white stalks, one and one-half inches broad. The leaf is of fine flavor, deeply crumpled, and free from fibre. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. 90 cts.



"Every Home Its Vegetable Garden"

No vegetables ever come to a table at home like those gathered fresh from the home garden.
CULTURE LEAFLET—The Vegetable Garden—Free with order when asked for.

Asparagus

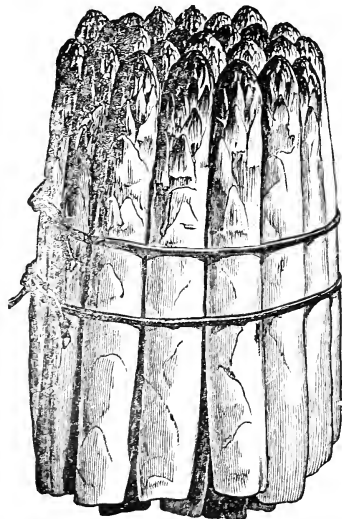
Can be started by sowing the seeds or setting out roots. A bed once properly made and planted, will last for years. Seeds are sown as early in the Spring as garden can be made. Plants can be raised easily from seed. When roots are one to two years old, set them 18 inches apart. The rows should be 8 to 10 inches deep, with width of 6 to 8 inches at the bottom. After spreading out roots, cover crowns with 2 inches of soil. With the growth of the shoots gradually fill in with earth until level with surface. Cultivate carefully during the season. An ounce will plant 50 ft. of row; and produce about 200 plants; 4 to 5 pounds to the acre.

Our Leaflet on Asparagus Culture giving full directions will be mailed free when asked for.

Giant Argenteuil. Early, prolific variety forming the greater part of the fine bundles admired in the Paris markets. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00 postpaid.

Palmetto. Is a very early maturing, large, vigorously growing dark green sort of excellent quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00 postpaid.

Barr's Mammoth. Is the best known, very large with few scales, stalks retain their thickness up to the top and have close, round heads. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00 postpaid.



ASPARAGUS

Asparagus Roots

Supplied after April 1st. 100 roots for a patch 20x20 feet. About 4,000 plants to set an acre. Tied in bunches of 50 each.

	Doz.	100	1000
Washington Rust-Resistant	\$0.50	\$2.75	\$25.00
Barr's Mammoth.....2-year-old	.35	1.25	10.00
Giant Argenteuil.....2-year-old	.35	1.25	10.00
Palmetto.....2-year-old	.35	1.25	10.00

If by mail add postage as follows: Doz. 8 cts., 100 50 cts.,

Horse-Radish Roots

(Ready in March)

Set the roots in spring in rows 6 inches apart, about the same distance in the row; be sure to put the ends of cutting, that is cut slanting, down; in about two weeks it will be showing above the ground, then work the same as potatoes or corn. Late in the fall lift as many roots as you think you will use during the winter, cut off the tops, place them in a cool cellar covered with soil or sand, and grate as wanted. A bed once planted remains for years.

Bohemian Maliner Kren

(Grown by the Introducers)

A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. Roots 40 cts., per doz., 50 for \$1.25 postpaid; by express at expense of purchaser, 50 for 85 cts., 100 for \$1.50, 250 for \$3.25, 1000 for \$12.00.

Brussels Sprouts

Grown as both an early fall and winter vegetable. Seed may be sown in a hotbed or cold frame for an early crop, or outdoors early in May. Make rows 3 feet apart and have the plants stand $1\frac{1}{2}$ feet apart in the row.

The heads are improved by frost. When the young sprouts are well started the lower leaves may be stripped from the plant in order to admit light and air. Ounce will plant 200 feet of row.

Danish Giant. The plants are of strong, robust growth. The stalks are larger, thick and close-jointed, so that the Sprouts are set thickly on the stalk. A very large crop can be gathered. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.50 postpaid.

Beans, Dwarf or Bush, Green-Podded

This is one of the most important of all crops which may be grown on any soil of average fertility without special cultural treatment. It is possible to have a liberal supply of green beans for market from July until late in the fall. The bush varieties may be grown for canning, drying and picking. The shelled beans may be produced in variety for use throughout the year. A great advantage in growing beans is that the soil is left richer than before the crop was harvested.

Beans are so variable in their productive powers and also in edible qualities that farmers should test the most promising sorts from year to year in order to determine what varieties are best for their particular purposes. One pound will plant 100 feet of row; 100 pounds to an acre.



BURPEE'S STRINGLESS
GREEN-POD BEANS

Burpee's Stringless Green-Pod

Very Hardy and Extremely Early Sort of Extra Fine Quality, Long, Round, Green Pods, Always Solid, Tender and of Delicious Flavor

Plant medium to large, somewhat spreading growth, dark green foliage and strictly bush form. Pods medium length, curved, round, creased-backed, showing outlines of seeds before full grown, dark green in color, meaty, brittle, stringless, retaining good condition until fully developed. Dry seeds rather large, coffee-brown with nearly black shading around the eye. When cooked, the pods retain a good green color, are tender and meaty in texture and smooth to the tongue. Flavor pleasing. Quality excellent. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25, postpaid, 10 lbs., or more at 20 cts. lb.

Improved Red Valentine

A standard Green-Podded Dwarf Snap Bean. Full, Round, Meaty Pods of Unsurpassed Tenderness. Remains Long Fit For Use

This grand variety is a great improvement over the original Red Valentine, as it is very much earlier, and remains fit for use a long time. The healthy, vigorous plants are unusually hardy, successfully withstanding early frosts; it may therefore be planted very early. It will always yield a large crop of handsome, long, round, fleshy pods, rich green in color and of unsurpassed tenderness when gathered young, when it is practically stringless. It is the Standard Snap Bean, not only for the earliest, but for successive plantings, bearing up to frost. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more, at 20 cts. lb.

Bountiful

A Flat Green-Podded Bush Bean. Always Solid, Tender and of Delicious Flavor

(See specialty page 2) Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25, postpaid, 10 lbs. or more at 20 cts. per lb.

Mrs. Louis S. Fitz, Ohio.—"I was much pleased with the promptness with which you filled my order. Your Bountiful Beans have grown fine."

Giant Stringless Green-Pod. An exceedingly productive and very handsome sort. The plants are large, vigorous and spreading. The pods are large and nearly round, and of medium green color. They mature a few days later than those of Stringless Green-Pod, average about one-fourth inch longer and more nearly straight. The quality is very good for snaps for home use. The variety is suitable also for the market. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25, postpaid, 10 lbs. or more at 20 cts. lb.

Mrs. A. Harshman, West Farmington.—"Please send me one of your seed books. We got seeds of you last year and liked them."

Walter Mosher, Wellington.—"Rec'd your seed book, will send an order soon for the seeds we got of you were first class, never had better."

Full Measure

A Round, Smooth, Green-Podded Stringless Bush Bean. Early, Fine Quality, and of Delicious Flavor

This early variety, although comparatively new, has been pretty widely distributed. It is an ideal Snap Bean, producing a fine crop of round, straight, solid, fleshy pods averaging $6\frac{1}{2}$ inches long, wonderfully tender and brittle, without a trace of tough interlining, and having no string when broken. The flavor is most delicious, while the delicate green color of the pods is retained after cooking, adding to its attractiveness when served. The plants are of robust, compact habit, unexcelled in bearing qualities, maturing the crop very regularly. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.

Refugee, or 1000 to 1. True bush growth, fifteen inches in height.

The pods are nearly round, pale green, five inches long, tapering to a slender point; quite solidly fleshy, brittle, but with slight strings; of handsome appearance and fine flavor. Rather later than the other green-podded sorts, but extremely prolific. An excellent summer sort. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more, at 20 cts. lb.

Keeney's Stringless Refugee. A Round Green-Podded Bush Bean. Its habit of growth, pod and seed are practically the same as the old Thousand but maturing its beans a few days earlier. Very productive; of true bush form; attains a height of 18 inches. The handsome, round, green pods average about 5 inches long and are brittle, tender, and fleshy, perfectly stringless at all stages of their growth. Its quality is excellent; for commercial canning it is unequalled, as the tender, green pods retain their beautiful green color, and being entirely stringless makes it far superior to any other variety. For home or market garden, Keeney's Stringless Refugee bean will be found very desirable and for the shipper it has no equal. Pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts. lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more, at 30 cts. lb.

Shell-Beans

These are grown exclusively to use as shell-beans, either Green or dried for winter

Dwarf Horticultural. Most desirable for slicing and cooking when young. Pods are of medium length, slightly curved. The green shell-beans are of good size, tender, and of fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.

Large White Marrowfat. Vigorous branching habit. Medium late beans of large size, good for shelling and using in green state. Pods 4 to $4\frac{1}{2}$ in. long flat nearly straight. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., lb. 25 cts., 5 lbs. \$1.10 postpaid, 10 lbs. or more, at 20 cts. lb.

Dwarf White Navy. This sort is a sure cropper and not only more prolific than the common white bean but it is also of better quality. The pods are light green, straight, short, about $3\frac{3}{4}$ in. long, but usually containing 6 beans. The beans are small, oval, white, handsome and of superior quality for use as dry beans. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts. lb. 25 cts., 5 lbs. \$1.10 postpaid, 10 lbs. or more at 20 cts. lb.

White Kidney. Of vigorous upright habit. Used as shell bean after being ripened. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25, postpaid 10 lbs. or more at 20 cts., lb.

Red Kidney. Of vigorous upright habit. Beans large size. Used both green and dry. Pods 5 to 6 in. long and flat. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts. lb. 30 cts., 5 lbs. \$1.25 postpaid; 10; lbs or more at 20 cts. lb.

Beans—Dwarf or Bush—Wax or Yellow Pods

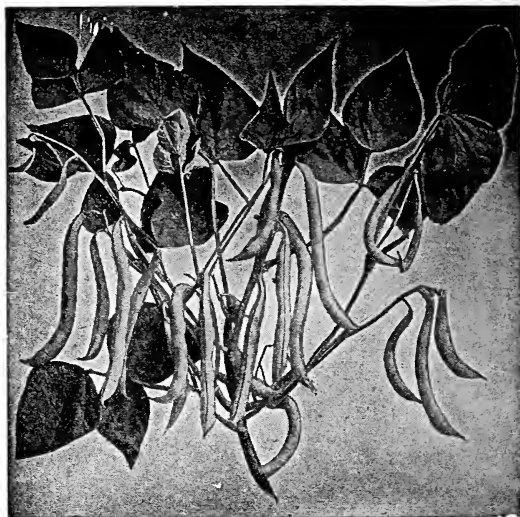


IMPROVED (RUST-PROOF) GOLDEN WAX
If you want Quality then plant our seeds.

Pencil Pod Black Wax. Plants small to medium, somewhat spreading, strictly bush form, foliage medium green. Pods medium to short, curved, round, creased-backed, fleshy, brittle, stringless, with rather light yellow color. Dry seeds rather small, a deep blue-black in color, with a polished surface. When cooked, the pods are a good yellow color meaty, somewhat mealy in texture and somewhat rough to the tongue. Quality good. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts. lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more, at 25 cts. lb.

Michigan White Wax. This excellent sort is a white seeded Golden Wax Bean of the original Golden Wax quality. It is vigorous and very productive. The pods are abundantly produced and are uniform in size and color which is a very attractive light golden yellow. They are four and one-half to five inches long, comparatively broad and meaty. It is the most desirable home garden, market, and canning sort. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50, 10 lbs. or more at 25 cts., lb.

Hardy Wax. The beautiful yellow pods of this variety have a delightful flavor and are tender at all stages of their growth. The round pods are solid, meaty and stringless, growing about 6 inches long. The plant is a strong, robust grower, which resists disease and unfavorable weather conditions better than most other sorts. Excellent for market gardeners, and it is equally desirable for the home garden. Pkt. 15 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more, at 25 cts., lb.



FULL MEASURE STRINGLESS ROUND GREEN BEANS
(See page 9)

Improved (Rust-Proof) Golden Wax

This is a great improvement on the old strain. Golden Wax being hardy, and so much less liable to blight or rust that it is one of the most desirable to grow of all Wax sorts. Pods $4\frac{1}{2}$ to 5 in. long, straight, flat, meaty, light cream wax color, heavily filled, excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.

Sure-Crop Stringless Wax. An absolutely stringless—enormous pod—good yielder. An Extra Early Flat Wax Podded Sort. Tender, hardy and productive. (See page 2.) Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50, postpaid, 10 lbs. or more, at 25 cts. lb.

Reufugee Wax. The pod is a white wax color, curved, round, thick and nearly stringless when young. Healthy foliage and not so liable to blight as some other sorts. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50, postpaid, 10 lbs. or more at 25 cts. lb.

Round Pod Kidney Wax (Brittle Wax) (See Page) Pkt. 10 cts. $\frac{1}{2}$ lb. 20 cts. lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs or more at 25 cts. per lb.

Davis Kidney Wax. An excellent bean for market and private gardeners. Pods white waxy color 5 to $5\frac{1}{2}$ in. long, flat wide and straight. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more, at 20 cts. lb.

Webber Wax Bean

Earliest Stringless Wax Podded Bush Bean

The handsome, early, golden yellow pods are excellent for canning and equally desirable for the table. This is now one of the most popular bush beans. The vines are literally covered with handsome, delicious, transparent yellow pods, which are remarkably brittle, as it has NO Strings whatever. It is a wonderfully strong grower. Pods are semi-round, of medium large size, full of meat, brittle and stringless. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more, at 20 cts. lb. Ten pound prices do not include transportation.

Mrs. Orlo Cole, Richland Co., O.—"I brought my seeds through your Company last year, and I had very good success in my gardening."

Ten-Pound Prices Do Not Include Transportation

Wardwell's Kidney Wax Beans

Plant rather small to medium size, fairly erect, strictly bush form, foliage dark green. Pods large, flat, straight, somewhat recurved near stem end, rich yellow in color, brittle, stringless, developing some fibre when full grown. Dry seeds rather large, kidney-shaped, mottled in varying degree with dull violet and yellow markings. When cooked, the pods are rather pale yellow, tender, meaty, with a mild, pleasing flavor. Quality very good; pods are in best condition for use as soon as they change to a clear yellow color. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts. 5 lbs. \$1.50 postpaid, 10 lbs. or more, at 25 cts. lb.**

Hodson Wax. A variety about ten days later than others, good quality and free from rust. Strong, vigorous growth, with healthy foliage. Pod 6 in. long of golden waxy color, nearly straight, thick, flat and meaty. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.**

Prolific Black Wax. This improved strain of Black Wax we offer is exceptionally productive, very hardy, reliable and of the best quality. It is very extensively used for the home garden and market. The plants are medium sized, erect in growth, with small foliage, very vigorous, early intermediate in season with longer bearing period than most sorts. The pods are of medium length, four and one-fourth to four and one-half inches, borne well up from the ground, curved, cylindrical and fleshy. They are of a clear, light golden yellow color and remain a long time in condition for use as snaps. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts., lb.**

Silver Bean. A distinct variety, late maturing, sometimes called Crystal Wax and not strictly a wax bean. It is desirable for pickles. The plants are vigorous, branching and very productive. The leaves are small. The pods are greenish white with silvery shade, curved, round or thicker than wide, with crease in the back; very fleshy and brittle. **Pkt. 15 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid 10 lbs. or more, at 30 cts., lb.**

Dwarf or Bush Lima Beans

Select land that is especially warm, rich, and well supplied with humus. Plant eye downward and one inch deep as soon as the soil becomes warm in the spring. Make the rows two feet apart and plant the beans 6 inches apart in the row. A top dressing of good fertilizer will hasten maturity and increase the yield. One pound will plant 50 feet of row. 40 pounds will plant an acre.

Fordhook Bush Lima

The only stiffly erect bush form of the popular "Potato" Lima. Both pods and beans are twice the size of Dreyer's Bush Lima. Nothing like it has ever been seen before. Of strong, erect, true bush-like growth, the bushes average 20 to 30 in. in height

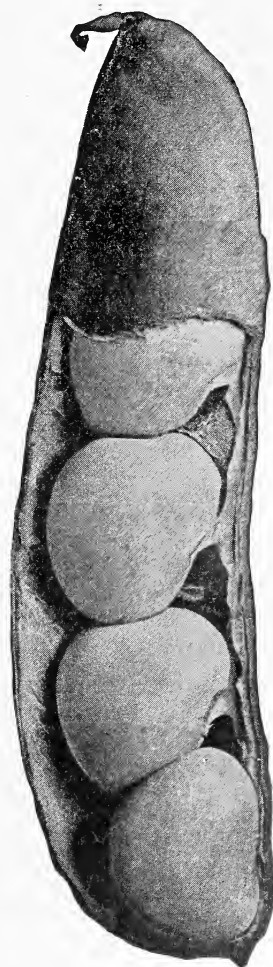
by 20 to 24 in. across the top. The foliage is of heavy texture and very dark green in color. The stalks that produce the blossoms are thrown out from the lateral and main stalks; the pods are borne in clusters of from 4 to 8, measuring from 4 to 5½ in. long, about 1½ in. wide, by as much as ¾ of an in. thick. The pods contain 3 to 5 large beans with an average of 4. **Pkt. 15 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.**

Burpee's Improved Bush Lima. This bean produces a magnificent crop of pods, which measure from 5 to 6 in. long by 1¼ in. wide. Compared with Burpee's Bush Lima, both pods and beans are much larger, while the beans, either green or dry, are nearly twice as thick. The sturdy bushes are loaded with pods that are truly enormous in size. The luscious green beans are larger than any bush lima ever known. **Pkt. 15 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts., lb.**

Burpee's Bush Lima A bush form of the true Large White Lima and of equally good quality. The plants are uniformly dwarf but very productive. The pods are medium green, are as broad and very nearly as long as those of the pole variety of Large White Lima and are a little more curved. They contain from three to five very large, flat beans of very good quality for home garden or market. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.**

Improved Henderson's Bush Lima. The pods are ready for use a week earlier than those of Burpee's Bush Lima and the plants are immensely productive. When gathered young, the beans are of excellent flavor. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts., lb.**

Ten pound prices do not include transportation



FORDHOOK BUSH LIMA
A Great Yielder.



WARDWELL'S KIDNEY WAX BEAN
Very Popular Sort.

Beans---Pole or Climbing

All Pole and Lima Beans are very tender and cannot be planted until the soil is quite warm and weather is settled. Plant pole beans and pole limas, in hills one inch deep, 4 to 5 seeds in a hill, hills 3 feet apart. Thin to three plants to a hill. Before planting fix firmly in each hill, a pole 6 to 8 feet long. Help the vines to start twining around the poles from right to left. One pound will plant 75 to 100 hills; 20 to 32 pounds to an acre.

(Note! Plant Lima Beans with the "eyes" of the seed downward.)

Kentucky Wonder or Old Homestead



KENTUCKY WONDER
BEAN

The long pods are so fleshy that they are greater in thickness than breadth. Solidly meaty, stringless when young, finest quality. If pods are gathered as they mature the vines will continue to bear to the end of the season. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.

Lazy Wife. Late variety, excellent for snap-shorts or shelled. Pods about 6 in. long, thick and meaty, flavor fine. Pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

Horticultural or Wren's Egg. An old and well known variety, hardy, very productive, good flavor of the beans when shelled. The flat, long pods are streaked with carmine. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 20 cts. lb.

Old-Fashioned Striped Sickle. One of the best quality; very popular with farmers and gardeners in Lebanon, Lancaster County, Penna. The seed is gray, with black stripes; the pods long, meaty and stringless. Very heavy yielder. Pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.



STRIPED SICKLE
POLE BEAN

White Seeded Kentucky Wonder

Earlier than other sorts, also called **Berger's Stringless Green-Pod.** The pods are long, borne in clusters, straight of rich dark green, stringless, tender, sweet, mild flavor. The dry beans are pure white. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.

Kentucky Wonder Wax. Yellow-podded Kentucky Wonder; bears a large quantity of rich golden yellow pods. Plant makes a quick, healthy growth; productive, bearing large pods; thick, meaty, stringless, very tender, fine flavor when cooked. Decidedly extra early. Pods grow uniform in size. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.

Golden Cluster Wax. Bears long, golden yellow pods in clusters and continues for a long time. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

Pole or Climbing Lima Beans

Holmes' Green-Prolific Large-Seeded Pole Lima

The Largest Podded and Heaviest Cropper of All Lima Beans

The pods are truly gigantic in size, frequently measuring from 7 to 8 $\frac{1}{2}$ in. in length by from 1 $\frac{1}{2}$ to nearly 2 in. in width. The beans are extra large and thicker than any other Pole Lima, excepting only those of the Potato Lima type; they are invariably of finest flavor. *Holmes' Green-Prolific* excels all other Limas in vigor of growth. The vines grow so rapidly that they quickly cover the poles. In rich ground we would recommend planting only two or three seeds to a hill and thinning out to one plant. The pods, borne in clusters of from 4 to 8, stand out well from the foliage. Pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00, postpaid, 10 lbs. or more, at 35 cts. lb.

Early Leviathan. *This is the very earliest.* It will not only give large Lima Beans earlier than any other strain, but is also extremely productive, both early and throughout the season. It is a strong grower, clinging well to the poles, and is a *sure cropper*. The pods differ from those of other early pole Limas in being straighter and longer. The pods hang out from the foliage in large clusters and contain three or four and sometimes *five large beans to the pod*. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

King of the Garden Lima. Pods medium, 5 to 6 in. long, broad, flat, filled with 4 or 5 immense white beans of finest quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

Challenger, Dreer's or "Potato" Lima. The pods produced are quite thick through and contain 3 to 5 thick beans. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.



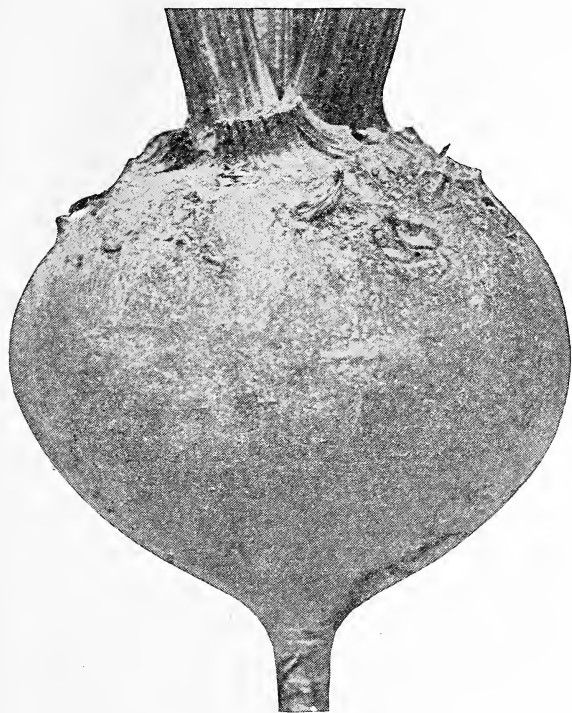
HOLMES' GREEN PROLIFIC
POLE LIMA BEAN

Beets

During their season, beets are easily the favorite root crop. The gardeners of America are just beginning to realize the great food value and keeping qualities of Beets, and while their cultivation has been general, it has not been as large as their many good qualities would warrant.

Seed may be sown as early in the Spring as the soil can be dug and raked. Sow seeds in rows; then thin the young plants so that the plants will be 4 inches apart in the row, allowing eighteen to twenty-four inches between the rows.

Sowing should be made for succession at least once a month up to the 15th of July, at which time, we recommend making a large sowing to produce a supply of well grown roots for Winter use. Seed requires plenty of moisture. If roots are gathered on the approach of cold weather and packed in slightly moist earth, they can be kept in a cool cellar in perfect condition until Spring. Ounce will sow 50 feet of row; 5 to 6 pounds for an acre.



DETROIT DARK RED BEET

Model Red Globe. This splendid variety is of English origin and is perfect for table use. It is medium early, coming in between Extra Egyptian and Crimson Globe. The roots are of good size, slightly oval, with small, dark crimson leaves and a slim tap root. In quality and color it is peerless; very fine grained, tender and sweet never woody or stringy. Color of both skin and flesh deep rich red. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Crimson Globe Of fine form, with smooth skin. Tender, unusually sweet flesh is a deep purplish crimson, slightly "zoned;" foliage small, of a rich bronze-purple. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Mrs. S. J. Lucas, Ashland Co., O.—"Had seed from you this year and am well pleased with the way they germinated. My garden looks fine."

"Holco" Fireball. An early maturing beet. The finest shaped beet in the world. The deepest blood red of all beets. Has no equal for table use. The most handsome beet grown. (For description see page 3). Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, 5 lbs. \$6.75.

Extra Early Egyptian. Best variety for forcing and excellent for first-early crop outdoors, being very early, with small tops. Roots very dark red, moderately thick, a little rounded on top, distinctly flat on the bottom, and about 2 in. in diameter when mature. Flesh dark purplish red, zoned lighter shade; firm, crisp tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Detroit Dark Red.

Extremely Early, Deep Red, Tender and Sweet.

One of the best Beets for the market and home garden. Has a deep, rich color. Tops small, upright in growth; leaves dark green, shaded with red; root medium-sized, nearly round, very smooth, of dark blood-red, zoned with a lighter shade of the same color. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts. 5 lbs. \$3.50. Postpaid.

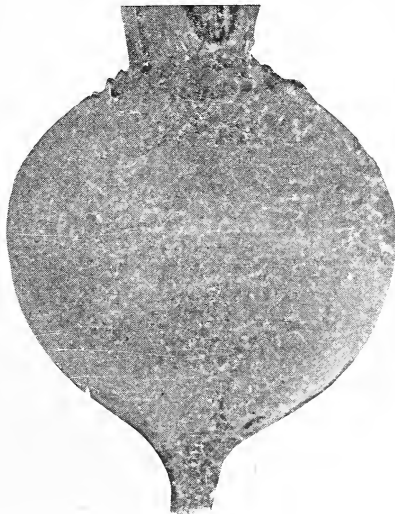
Crosby's Egyptian (Special)

The Most Popular Early Beet for the Home Garden and Market. Our special strain is ten days earlier, darker in color and more even in maturity, with smaller tap roots and smaller top. Very smooth, sweet, tender, and of excellent quality. You can make no mistake in placing your order for this extra fine stock. In the production of this seed, selection is not only made for shape, but also for extreme earliness and high quality. The skin is very smooth bright red, flesh very sweet and tender. This Beet is good for forcing, as well as growing in the garden, and may be used while small. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts. 5 lbs. for \$3.50.

Mrs. F. C. Damman, Trumbull Co., O.—"All the seeds I received from you are doing fine. I never had a better garden."

Eclipse. Perfectly smooth; round; skin and flesh red; extremely early. Does not grow to large size, but is desirable for its earliness and sweet, tender quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Edmand's Early. Root nearly round or slightly flattened; exterior color dark red, interior color purplish red with little zoning; crisp, tender, sweet and an excellent keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.



ECLIPSE BEET

Holmes "Green Top" Blood Beet

In Quality It Stands Alone

Whoever saw an absolutely light green-top beet with pure Blood-Red Root? It is one of the most tender of beets, of delicious flavor and is absolutely unsurpassed for quality by any beet we know of. This grand, new main crop beet—*Holmes' Green-Top Blood*—has a tapering root. The flesh is a handsome dark red, sweet and tender at all stages of growth regardless of size. The hard, stringy, wooden-like fibre so common with all other varieties, is entirely absent in *Holmes' Green-Top Blood Beet*, which will keep tender all winter. Market gardeners who plant it will find it outsells all others. By buying this year, you can control your market and make big profits. The keeping quality of *Holmes' Green-Top Blood Beet* has no equal. We would advise our customers who want this fine beet to order early as our stock of seed is limited. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.**

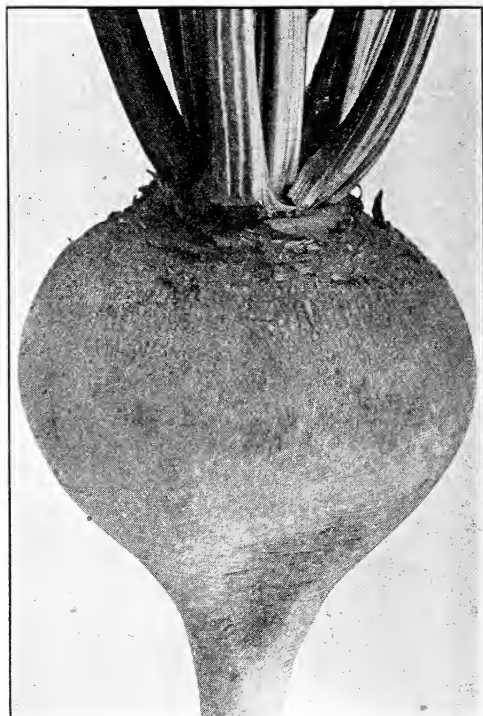
L. Preto, Portage Co., Ohio.—"Enclosed find photos of my garden, taken June 23rd of this year. I cannot praise your *Holmes Green Top Beets* enough. They were just fine and yielded good. All seeds I received from you could be no better. I had a fine garden by using your seeds, and it opened the eyes of several people. They all wanted to know where I got my seeds, and I gave them your address."

Improved Early Blood Turnip. Selected stock. Root nearly round or slightly flattened; flesh deep red, zoned with lighter shade, sweet, crisp, tender. For summer and autumn use. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. 75 cts.**

Half-Long Blood. The roots are smooth, flesh bright red, quality excellent. For winter use the seed should be sown early in July. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. 75 cts.**

Long Smooth Blood-Red. Roots long, penetrating the soil deeply. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. 75 cts.**

Swiss Chard. (See page 7 for description.) **Pkt. 10 cts., oz., 15 cts., ¼ lb. 40 cts., lb. \$1.00.**



HOLMES "GREEN TOP" BLOOD BEET
Has a most Delicious Flavor

Sugar Beets and Mangel-Wurzel

For Stock Feeding

1 oz. to 100 feet of drill; 5 lbs. will sow an acre.

Danish Sludstrup

The Danish Government encourages the growing of root crops by offering certificates of merit to growers who select and produce sorts which are of distinctive value. Sludstrup is considered the best of all Mangels, having been awarded first-class certificate. In color it is reddish-yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 60 cts.**

Golden Tankard. Smooth yellow-fleshed Mangel; roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root. Grows largely above the soil, easily harvested. Yields an enormous bulk on good land; can be grown closely in rows. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 60 cts.**



DANISH SLUDSTRUP MANGELS-WURZEL

Mammoth Prize Long Red. Heaviest cropping and largest of all Mangels. Dark, richly colored foliage; skin bright dark red, white flesh, with veined rings of rose-pink. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 60 cts.**

Klein Wanzleben Sugar. Best beet for sugar making, and largely planted for that purpose. Eighteen tons of sugar have been made from 100 tons of these beets. Highly recommended as a winter food for milch cows. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 60 cts.**

Giant Half Sugar. Superior to mangels for stock-feeding purposes, more nutritious having a large amount of sugar. Oval in shape, grows partly out of ground. Large size, yields enormous crops. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 60 cts.**

Stock Beets and Mangels

No farmer should be without Beets and Mangels for winter feeding. The great feeding value of such crops should be understood by every one who desires to keep livestock healthy and in a good thrifty condition. A succulent feed such as is furnished by Stock Beets can be grown cheaply and abundantly on every farm. For keeping up winter egg production, beets are as necessary as other feed. We offer choicest seed of all the leading varieties.

Cabbage

Our Cabbage Seeds are all grown from the most carefully selected stocks, and we have no hesitation in saying that they are as reliable to produce good crops as any seeds that can be found on the market. Sow seeds in Jan. or Feb. in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 ft. apart, and 12 to 18 in. apart in the row. For second-early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 ft. apart and 2 ft. in rows. Never plant Cabbage in the same location 2 years in succession. One ounce will produce about 3,000 plants; a quarter lb. will produce enough for an acre.



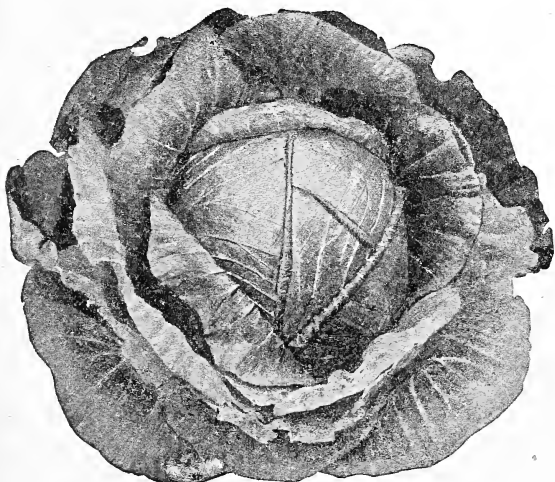
FIELD OF COPENHAGEN MARKET CABBAGE

It Pays to Plant Our High Quality Seeds

Extra-Early Jersey Wakefield. Plants are dwarf compact and produce heads very early. Erect and conical in form, very uniform and even in size as well as time of heading. Our seed of both "Wakefields" is the choicest Long Island grown; this special strain is most highly recommended. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Large Wakefield or Charleston. Heads are of similar form, although not so pointed, of equal solidity as the original Jersey Wakefield; grow half again as large, reaching full size ten days later. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Early Winnigstadt. Heads are same size as Jersey Wakefield but more sharply pointed in form and not so early. Leaves rich dark green, slightly glossy, tightly folded heads being the hardest of any early cabbage. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.



ALLHEAD-EARLY CABBAGE

(An Excellent Second-Early Sort)

Copenhagen Market Cabbage

Proved to Be the Best Early Cabbage from Denmark

It is very great satisfaction, indeed, to be able to offer this valuable new, early Cabbage, producing round, hard heads very early in the season. As early as the Jersey Wakefield. The most popular early Cabbage in the markets of Copenhagen. Market-gardeners are enthusiastic about it on account of its extreme earliness and solid, 8-pound heads, with a small core and always of excellent quality. The plants are short-stemmed, producing heads almost on the ground. The light green leaves are medium in size, saucer-shaped, and are always tightly folded; the plants may therefore be set closer than most other early varieties. A vigorous grower and yielder, as are all Cabbages from Denmark, and an excellent keeper. Our stock of Copenhagen Market comes to us direct from the originator, is guaranteed to be absolutely true to name. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25 lb. \$4.50.



EXTRA-EARLY JERSEY WAKEFIELD CABBAGE

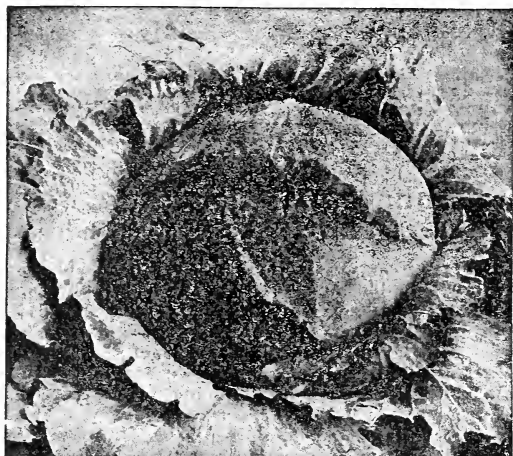
Allhead-Early

An excellent second-early sort. Heads large, solid and flat, very deep for so early a cabbage and a very good quality; stem is short. It is recommended not only for spring planting but by planting late it can be used as a fall and early winter cabbage. Well adapted for kraut. The seed we offer is of first quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts. lb. \$3.00.

Early Dwarf Flat Dutch. Good flat-headed variety, with short stem and hard, firm head. Forms heads early; is valuable for summer. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

All Seasons — The heads are exceptionally hard and solid, round, flattened on top, and ready to market with the second early sorts. It is called *All Seasons*, because it is just as valuable for Autumn or Winter as for early Summer. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Mrs. Frank Slobets, Route 4, Girard, Kas.—We have a little garden, but since we ordered seeds from you last year, it seemed to be large. The seeds are just wonderful. All the lettuce and the Beans were so good. We never had such a garden. So we are ordering again.

**GLORY OF ENKHUIZEN CABBAGE.**

(A Perfect Crop Can be Had by Planting Our High Quality Seed)

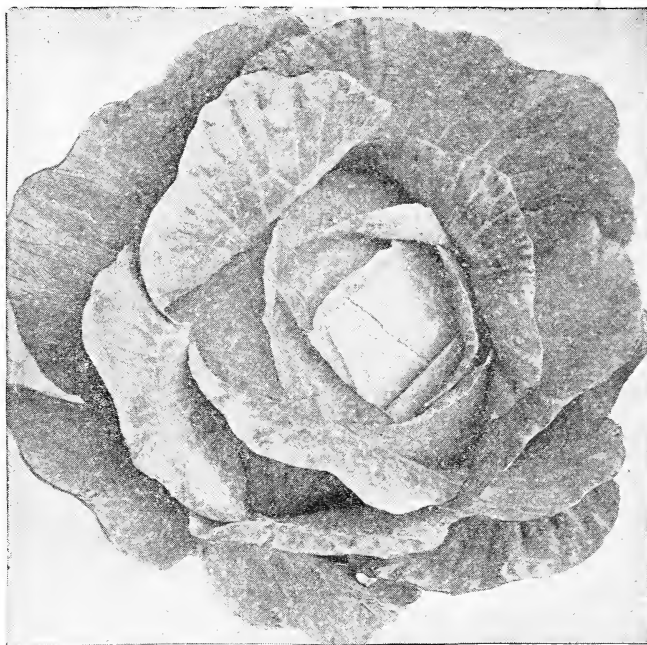
Early Spring. The earliest flat-headed-variety. The plants are vigorous, very compact, with few outer leaves and a short stem. Early spring will produce a crop almost as quickly as Jersey Wakefield but being of large size will prove very valuable to the market gardener. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

Early Summer. Desirable, medium sized, early, flat-headed variety. Good keeper, does well in summer and autumn. Pkt. 10 cts. oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

Succession. A sure heading sort, second early, adapted for autumn as well as late summer use. Heads are large, deep, very firm and of excellent quality. Pkt. 10 cts., oz. 30 cts. $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

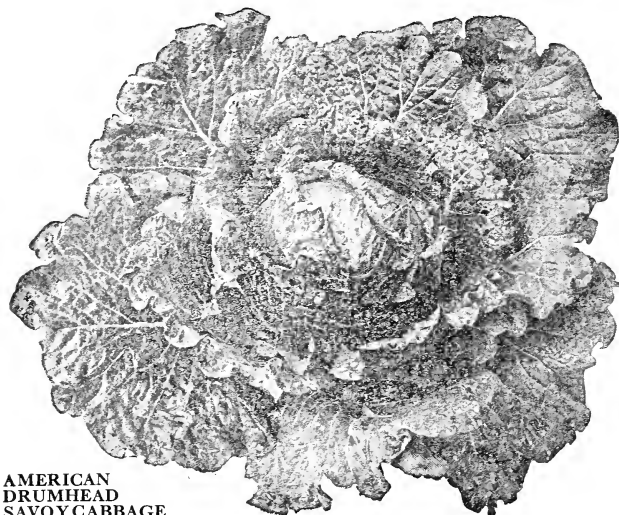
NOTE

Slug Shot kills cabbage worms absolutely. Can be used without danger. 1 lb. 35 cts., 5 lbs. 65 cts., Postpaid.

**SUCCESION CABBAGE****Cabbage (*Late and Winter Sorts*)**

American Drumhead Savoy. The plants are vigorous, of medium size, with rather short stem and are very sure heading. The outer leaves are medium large, thick, fleshy and densely and uniformly crumpled; the heads are large, nearly round, fairly solid, sweet and tender. Pkt. 10 cts. oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$3.00.

Autumn King, or World-Beater. This is an excellent late cabbage. In good soil, it will produce enormous solid flat heads. It has such small outer leaves that it can be planted closer than the ordinary late sorts. Seed sown the first of June will produce fine heads to put away for the Winter. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

**AMERICAN DRUMHEAD SAVOY CABBAGE**

Holmes-Houser (Latest Cabbage of them all)



HOLMES-HOUSER CABBAGE
Largest, Hardest Heading Cabbage Grown

An excellent late Cabbage, requiring rich soil. Two weeks later than any strain of the Late Flat Dutch type. In solidity is hard as the Danish Ballhead. Compact in habit of growth, the leaves overlapping the head. The shape and appearance are shown in the illustration. In size the Holmes-Houser Cabbage will average about 12 pounds at maturity, and the heads are uniformly handsome. The shape is round and deep, as indicated; and when a head cracks or bursts it is always at the stem end, which does not destroy its use for market. In quality the Holmes-Houser Cabbage equals the best, being very free from the coarse ribs found in most late sorts. It is a strong, vigorous grower, with ability to withstand drought better than most varieties. It sells well in the market, and adapts itself to various conditions of soil and climate. It is because the Holmes-Houser is so extremely late and such an excellent keeper that it has attained such wide popularity. Owing to the scarcity of seed we cannot offer this variety in larger quantity.

A Warning. It is absolutely necessary to plant out the Holmes-Houser Cabbage two weeks earlier than any other late sort, as it requires this much longer to mature than the Flat Dutch types or any other late variety. Price of Holmes-Houser Cabbage, Originator's Stock—**Pkt. 15 cts., ½ oz. 40 cts., oz. 75 cts.** Crop almost failure. You can grow it just as fine by sowing our Originator's Strain.

Albert Pearce, Summit Co., O.—"My checks from premiums from Ohio State Fair, Summit and Coshocton County Fairs amounted to \$400.85. All produced from Holmes-Leatherman seeds. You will surely meet with good success in your business if you continue to supply such seeds."

H. W. Summer, Columbiana Co., O.—"Last year we bought our seed from you and had excellent results with them. Some of the onions weighed as much as one and three-quarter pounds, and are still keeping fine at this date, March 29."

Danish Roundhead. (See page 4) **Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.50.**

Mammoth Rock Red. This is the largest-heading of all red varieties. The heads are slightly rounded, seven to eight inches in diameter. **Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$3.50.**

Cabbage Plants. Ready in season according to varieties. (Write for prices.)

Danish Ballhead or Hollander. (See page 4) **Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.50.**

Mrs. H. P. Butcher, Pontotoc, Co., Okla.—"We bought many seeds of your company last year, and found them very satisfactory indeed. We had the best garden, I think, in our little town."

Surehead. We recommend this reliable sort for northern markets, being late, hardy and sure heading. Head large, somewhat flattened, compact, very solid and of excellent quality. **Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.50.**

Premium Late Flat Dutch. A very popular sort. The plants are hardy, stem rather short. The heads are very large, flat but deep, of excellent quality, and good keeper. **Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$3.00.**

Leonard Evans, Clark Co., Ky.—"I have been one of your customers for three years, and have had especially good results with the Holmes-Houser Cabbage."

Pe-Tsai, Chinese or "Celery" Cabbage

Chinese Cabbage was introduced into this country by the Chinese of the Pacific Coast. The Pe-Tsai belongs to the Cabbage family, and produces quickly from seed sown in the open ground very attractive heads, somewhat resembling Cos Lettuce, and it grows well in any good soil. Chinese Cabbage makes the best heads during the cool fall months, so it is advisable to start the seed about the latter part of July. Seed can be sown in the open ground. Thin out to stand about fifteen inches apart in the row, as the heads develop rapidly and grow to a large size. Keep the soil free of weeds, and cultivate freely in order to preserve the largest possible amount of moisture for the plant. The heads blanch readily and the leaves are so tender and sweet that it makes excellent salad. It can be eaten raw like Celery or Lettuce or cooked like ordinary Cabbage, but must be cooked quickly. It makes an ideal vegetable for fall, and it can be stored for winter. Chinese Cabbage may be planted in your garden after some of your early crops have been cleared off. **Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., 1 lb. \$3.00 postpaid.**

Wong Bok. This plant develops very few outer leaves with broad heads, well blanched and tightly folded. It is of excellent quality, crisp, tender and brittle, with a fine celery flavor. Is earlier than other sorts. **Pkt. 10 cts. oz. 50 cts. ¼ lb. \$1.50, 1 lb. \$5.00 postpaid.**

Mariana H. Adams, Terre Haute, Ind.—"I had seed from you this year and was pleased with the way it germinated. Have quite a war garden, and my Chinese Cabbage is delicious and a wonder."

Henry Greffrath, Livingston Co., N. Y.—"I used a pound of your Chinese Cabbage the past season and it was the best I had. In fact it was the only Chinese Cabbage that cut any at all. I used seven pounds of other strains that were no good."

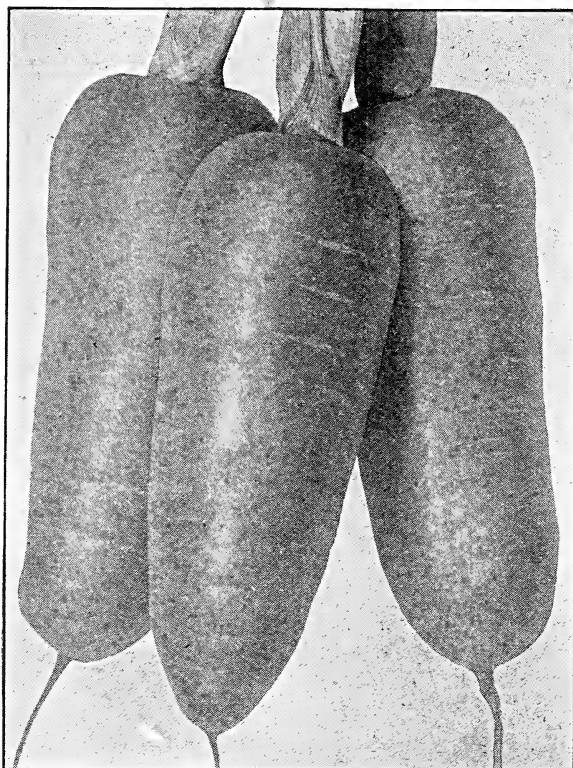


PE-TSAI—From a Photograph

Carrots

Sow the seed thinly in shallow rows early in the spring. Make three or more sowings of the early varieties a month apart, to afford a succession of tender roots.

When plants are well started, thin out the small early sorts to three inches apart in the row, and large late varieties from five to six inches. They should be sown in deep, rich soil, deeply worked and receive constant cultivation during growth to insure smooth, straight roots. One ounce will sow 100 feet of row three to four pounds to the acre.



CHANTENAY CARROT

A most popular sort. Grown from our fancy strain.

Oxheart or Guerande. The true type when fully grown is $5\frac{1}{2}$ to 6 inches long, $3\frac{1}{2}$ to 4 inches thick at the shoulder and 2 to $2\frac{1}{2}$ inches thick at the bottom. It is very stump rooted. The crown is cup shaped or hollow crowned and the tops, while fairly long, are quite thin at the crown. The color is bright or light orange scarlet. When full grown root is decidedly Oxheart shape with a flat bottom. Oxheart is a heavy cropper having a large amount of edible flesh to the root. It is easily dug, being short and nearly globular, and can be easily pulled or plowed out without breaking. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts., postpaid.**

Long Orange. The true strain is 10 to 12 inches long; $1\frac{3}{4}$ to 2 inches thick at the shoulder and pointed or rather tapering in a straight line to the tip. The crown grows under ground and the color of the root is bright orange scarlet. Do not plant Long Orange until soil is prepared to a depth of ten inches. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. Postpaid.**

Short White. (For Stock). The most popular and best of the white sorts and used wholly for stock. When fully grown is usually eight inches long and three inches thick at the shoulder and tapers in a bulging shape to the tip. If planted in rich soil heavily fertilized, will grow to a very large size. The roots grow wholly under ground and the color is pure white. Tops rather large and dark green. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts., postpaid.**

Chantenay

One of the three most popular varieties used in America, for table purposes. The true type is half long, thick and very stump rooted, and in dimensions $5\frac{1}{2}$ inches long; 2 to $2\frac{1}{2}$ inches thick at the crown and tapering to 1 to $1\frac{1}{2}$ inches at the bottom where it is very stump rooted. At the crown the top is small and set in a slight depression. The color is bright orange scarlet. **Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. Postpaid.**

Nantes. Is becoming most popular table carrot.

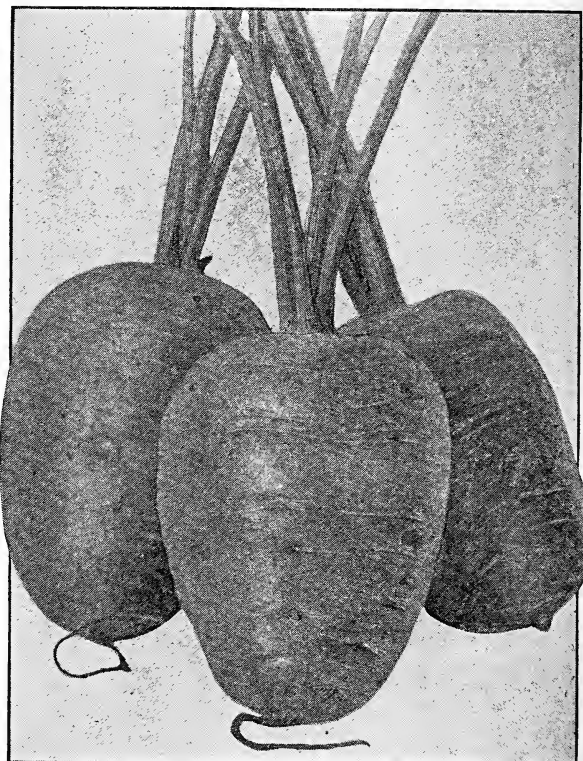
In quality, for table use, it is unsurpassed. The true type is long and cylindrical, about $6\frac{1}{2}$ to 7 inches long and 1 to $1\frac{1}{2}$ inches thick, very stump rooted. The color is pure orange scarlet and the core rather undefined so that it is called "coreless." The skin is very smooth. The tops are small and set in a slightly hollow crown. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. Postpaid.**

Danvers Half Long (See page 4)

Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts. Postpaid.

Scarlet Horn. A popular early market variety

The true type when fully grown is about 3 to $3\frac{1}{2}$ inches long, $1\frac{1}{4}$ to $1\frac{1}{2}$ inches thick at the shoulder and 1 to $1\frac{1}{4}$ inches thick at the bottom. It is decidedly stump rooted, and the crown is slightly hollow with small and fine tops. The color is bright orange scarlet. The roots are usable when very young. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. Postpaid**



OXHEART CARROT

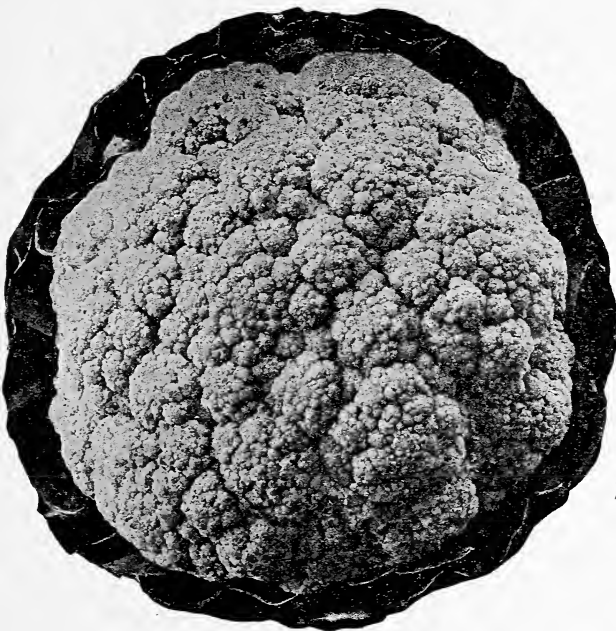
Our Seed produces perfect specimens.

Cauliflower

Requires very rich soil, cool seasons, and abundance of moisture. Grown same as cabbage either as a spring crop or for late fall.

Late in May or during early June preparations are made for the main crop in the fall. Seeds are sown in rows, eighteen inches apart, covered one-quarter inches. Late in June plants are set in rows with two or three feet between the rows, eighteen inches to two feet between the plants, to be cultivated like cabbage. For best results, use abundance of available plant food and a constant water supply. Clear and thorough cultivation is absolutely essential. Hoe right close to the plants, giving shallow cultivation as they expand. When the young heads begin to form, draw some of the leaves across to prevent the sun from discoloring or scorching them. This may be done by tying the large outside leaves at the tips with soft twine. One ounce of seed will produce about 3,000 plants $\frac{1}{2}$ lb. enough seed for an acre.

(Our Leaflet "How to Grow Cauliflower," free when asked for.)



"HOLCO" EARLIEST CAULIFLOWER
The earliest grown.

Dry Weather Cauliflower

Reaches Perfection When Other Sorts Fail

Variety is about ten days later than our Snowball. Dwarf growth, producing very large, stone-hard and snow-white heads, fully protected by the foliage especially fitted for dry and hot weather and for sections subjected to long dry seasons, a sure header when all other sorts fail. Cannot be forced; but is, in culture on open ground, the Cauliflower that gives the highest yield. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50, $\frac{1}{4}$ lb. \$8.50.

Early Snowball. Very popular variety with few narrow gray-green, upright leaves, heads very white. Similar to the "Holco" Earliest, but not quite so early. Pkt. 15 cts., oz. \$2.00, $\frac{1}{4}$ lb. \$7.00.

Veitch's Autumn Giant. A large late cauliflower, producing quite compact white heads. These large late varieties are not nearly so reliable as the earlier Erfurt type. Known on the Pacific coast under the name of California Wonder. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.00, postpaid.

James A. St. John, Trumbull Co., O.—"I am very much pleased with the seeds that I have received."

Mrs. W. W. Sykes, Richland Co., O.—"I am more than pleased with the results obtained from your seeds. Your Cauliflower seed is the finest I have ever grown."

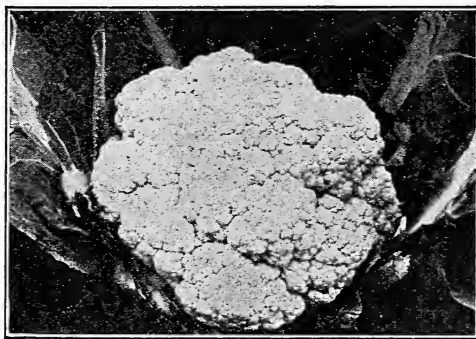
"Holco" Earliest

The earliest, quick-growing Cauliflower for family or market-garden, forcing or cold-frames. It heads where others fail. "Holco" Earliest is superior to all others. The earliest of all Cauliflowers. Its close-growing, compact habit, enables one-third more to be planted on the same space of ground than can be done with other varieties. For forcing under glass during winter and spring, "Holco" Earliest is peculiarly well adapted, from its dwarf growth and short outer leaves. Carefully grown for our trade in Denmark, where the finest Cauliflower is produced. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50, $\frac{1}{4}$ lb. \$8.50.

Mrs. Cora Yeater, Ashland Co., O.—"Two years ago I sent to you for all my garden seeds, and I never had as nice and good a garden as I had then, so please send me a seed book, as I want to send for seeds."

Geo. Lindner, Marquette Co., Wis.—"We wish to acknowledge the success we had the past two years in growing your seeds. We have found them to be the best we have ever sown, good to grow and good to produce."

Mr. A. F. Erdman, O.—"We were well pleased with our seeds"



DRY WEATHER CAULIFLOWER
A drought resister.

Early Dwarf Erfurt. One of the very best varieties for field cultivation, especially for late crops. Under ordinary conditions produces large, deep and very solid white "flowers." Pkt. 15 cts., oz. \$2.00, $\frac{1}{4}$ lb. \$7.00.

Cauliflower Plants. Ready in season; transplanted stock. (Write for prices.)

Cauliflower requires a rich, well manured soil and a cool growing season. In the South it is usually planted in the fall to grow during the winter. In the North it is planted either very early in the spring for a summer supply or during May and June for a fall crop. Write for our free leaflet "How to Grow Cabbage and Cauliflower."

Celery

One of the most popular vegetables for the table during fall and winter. Celery seed is slow to germinate, and ample time must be given. Sow seed in seed beds or boxes during February or March. Set plants in rich soil during June or July, six inches apart. Make the trenches 6 to 8 inches wide at the bottom so that rains will not wash the earth over the young plants. As plants grow, cultivate the ground into the trenches. When plants are large, heap earth around stalks to whiten them. One ounce will produce about 8,000 plants, one-fourth pound for an acre.



HOLMES' EMPEROR
A variety of great merit

Holmes' Emperor Celery

Largest, Most Solid and Finest Nut Flavored Celery Grown

Excels by far the Pascal, Columbia, or any other winter sort. The tops are green while the outer stalks blanch a beautiful white, with rich yellow heart. The plants are dwarf, and therefore much easier to blanch than the taller growing sorts. The plants average from sixteen to eighteen inches in height, while the blanched part is seven to ten inches long. Stalks are smooth, almost round, very brittle, with a distinctly rich, crisp, nutty flavor. It is an excellent keeper, a sort that, once grown by market gardeners or home gardeners, will always be grown. It is simply delicious. Holmes' Emperor has been grown by the largest growers of celery in America, as well as abroad, who have pronounced it as the finest nut-flavored and best keeping sort of outstanding merit. Everybody who has grown it praises it. **Pkt. 15 cts., oz. \$1.00, ¼ lb. \$3.25, 1 lb. \$12.00.**

Mrs. Harry Bierman, Columbiana Co., Ohio.—"Our friends thought they never ate better celery than the Holmes' Emperor, and wondered where we got the seed. So I would be pleased to have you send a catalog to this address."

V. M. Housley, Cuyahoga Co., O.—"Your seed was all very good, gave perfect satisfaction. I will be wanting some more of the Holmes Emperor Celery seed next year."

Mrs. M. Shenberger, Ashland Co., O.—"Your Holmes Emperor Celery, Holmes-Houser Cabbage and Green Top Beets I must say were all that you claim for them, so will send for more seeds this year."

Golden Self-Blanching or Paris Golden

Finest French-Grown Seed

This variety, of French origin, is becoming more popular every year, and is now one of the most extensively grown sorts, both for private use and for market. American Golden Self-Blanching has given satisfaction in the family garden, yet most of the larger growers in Ohio, New York, Michigan, Florida and other States insist upon having only French grown seed even though it costs double the price. We handle the originator's seed only, no other imported seed of this variety.

Not as early as White Plume, though it possesses the same self-blanching characteristics and is of heavier and more compact growth, the stalks being thick, crisp and brittle, while the hearts are large and solid, all blanching a beautiful waxen yellow. The quality is superb, tender and free from stringiness; flavor rich, delightful. (Our seed is grown by the originator in France.) **Pkt. 15 cts., oz. \$1.00, ¼ lb. \$3.00, 1 lb. \$10.00.**

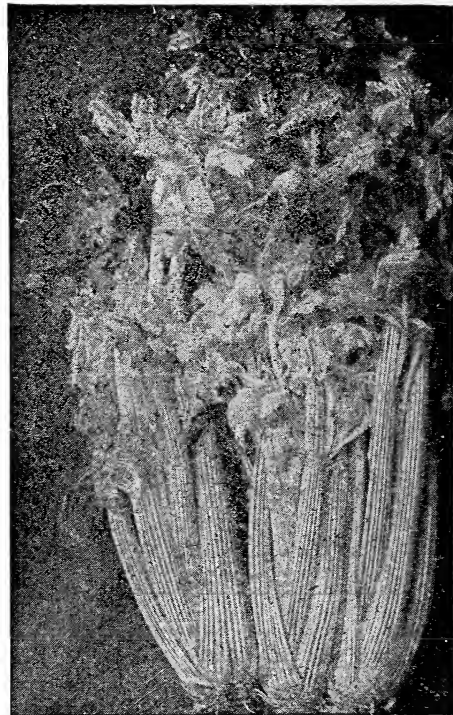
F. Buurma, Richland Co., O.—"Your strain of Golden Self-Blanching Celery has proven to be the best in quality."

The Horr-Warner Co., Lorain Co., O.—"The Golden Self-Blanching Celery grown from your seed has turned out satisfactorily, and you may express us ten pounds."

Mrs. Samuel McClelland, Wayne Co., O. I surely think your seeds are fine. I have been planting your seeds for a couple of years, and would have no others. They are surely the best ever.

White Plume. Earliest and most easily blanched, but does not keep well if taken from the trenches. The plants grow rapidly and blanch easily during the summer months. Later in the fall the central stalks and leaves are of pure snowy whiteness, even without earthing up, but stalks should be gathered together and earthed up as in other varieties, so as to produce close, attractive bunches. **Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, 1 lb. \$3.50.**

Mrs. L. F. Enderle, Cincinnati, O.—"Your Emperor Celery was the best I ever ate and the stalks could not grow any nicer."



GOLDEN SELF-BLANCHING CELERY

Excellent for Home or Market.

Celery (Continued)

Columbia

A valuable Celery to follow Golden Self-Blanching. Stored at the same time, it will be ready just as soon as the Golden Self-Blanching is gone. The stalks are broad and thick, almost round, solid and of the highest quality, and very attractive in appearance. The foliage is of a distinct light shade of green with a tinge of yellow. The plant is of medium height, blanches easily and is a good winter keeper. An excellent home or market sort. **Pkt. 10 cts. oz. 50 cts., ¼ lb. \$1.50, lb. \$5.00. Postpaid.**

Snyder Bros., Canton.—"Columbia Celery seed purchased of you gave us excellent results. We had the finest celery that was put on the market this fall."



FIELD COLUMBIA CELERY

Celeriac

Turnip Rooted Celery. An excellent thing in its way. It is used for flavoring and is in wide demand. Culture is the same as celery. As the roots are the edible portion, it requires no hilling. Is early and smooth. **Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.**

Mrs. Scott Freer, Ashland, O.—"Your seeds are just fine do believe every one grows. I am sorry I have such a limited space in which to plant a garden. Best wishes."

Mrs. Harry Schaber, Columbiana Co., O.—"The seeds were received in fine condition. Thank you for your promptness in filling the order."

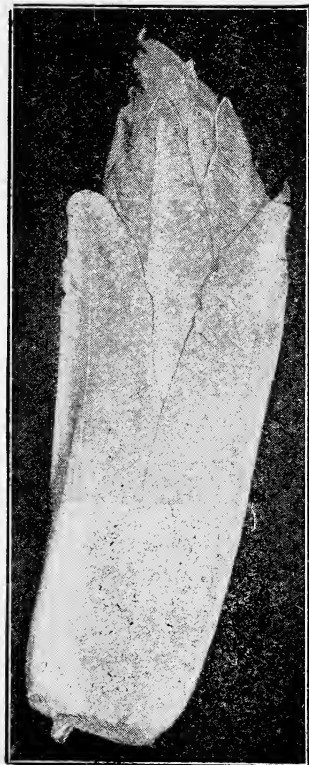
Chicory

Is grown for the large, thick roots, which are dried, roasted, and ground as a substitute or adulterant for coffee. The leaves are used also as a salad during the early months. To secure large, smooth roots the soil should be light, rich, and deeply worked, and the plants should be thinned out to stand four to six inches apart. One ounce to 100 feet of row.

Large Rooted, or Coffee. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts. lb. \$2.00.

Whitloof-Chicory, or French Endive

Witloof is used principally as a winter salad. It is most delicious when served with French dressing. Sow seed in the open ground not later than June. Any soil that is rich enough for parsnips is good for Witloof Chicory. The roots are lifted in the fall, and stored in a cool place until wanted for forcing. They can be forced in any warm cellar or room,



WITLOOF-CHICORY

requiring about one month to make edible sprouts. **Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.**

J. S. DeYoung, Portage Co., O.—"Last year I tried your Easy-Blanching Celery and it certainly beats every other kind of celery in every respect."

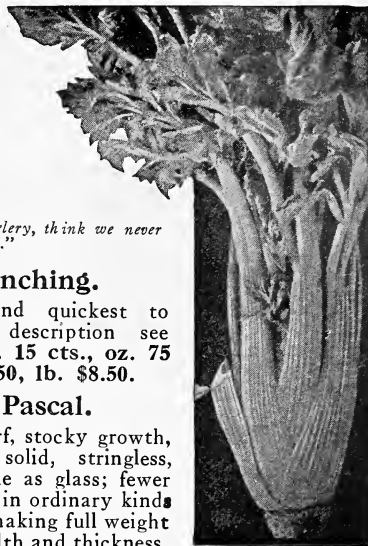
Mrs. Emma Bowman, Ashland Co., O.—"I think the 'Holco' seeds are fine. We like your Holmes' Emperor Celery, think we never had any quite so good."

Easy-Blanching.

The easiest and quickest to blanch. (For description see page 37). **Pkt. 15 cts., oz. 75 cts., ¼ lb. \$2.50, lb. \$8.50.**

Giant Pascal.

Stalks are dwarf, stocky growth, broad, thick, solid, stringless, almost as brittle as glass; fewer in number than in ordinary kinds of Celery, but making full weight by reason of width and thickness. An elegant winter keeper for home or market. **Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$3.00.**



GIANT PASCAL CELERY

Corn Salad

This is a cool weather crop that does well only in the fall, winter, and early spring. Seeds are generally sown in the fall, either in small beds or short rows, eight to twelve inches apart. One ounce will sow 30 feet of row.

The directions given for growing spinach apply to corn salad as well. Leaves should be gathered when four to six inches long. Served in connection with other salad plants, corn salad is very palatable. The first crop is ready, sixty days after planting. It is quite hardy and after cool weather sets in can be protected by a thin mulch of soft hay or straw. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 45 cts., lb. \$1.50. Postpaid.**



CORN SALAD

Cresses

Curled Cress, or Pepper Grass, is one of the most appetizing of all spring salads. Makes a very rapid growth in any garden soil. Should be cut often and it will continue to grow. Used not only for salad, but for garnishing. Sow very thinly in rows, a foot apart, cover lightly. Make repeated sowings every two or three weeks. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. \$1.00, postpaid.**

Water Cress should be sown in damp soil; or if a stream of water can be utilized, it will be much finer. Will also thrive well in damp hotbeds. Rightly managed, its culture is very profitable. Being hardy, it will thrive year after year, after becoming established. It can also be grown in pans, boxes, or bowls, in the house, giving it a sunny window. **Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.50. Postpaid.**

Sweet Corn

Always does well on sod land, or where clover has been turned down. Plant when danger of frost is over, five to six seeds one inch deep in hills three feet apart. When the plants are four inches high pull out all but two or three plants to each hill. Make new plantings every two weeks until July 10th, so as to have corn for use during the entire season. Use two pounds for 600 hills; 12 to 16 pounds to the acre.

Holmes' Premo

Large-Eared Early Sweet Corn

(See Page 5). Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 20 cts. lb.

S. L. Shinn, Columbiana Co., O.—"This is the first order I ever sent to you, but I ate some Premo Sweet corn at a neighbor's last year, that was raised from seeds of yours and I thought it was excellent."

Golden Giant

This is considered one of the finest early Sweet Corns introduced in recent years. Has a small, stout stalk that carries large ears of corn, and for this reason will mature more quickly. *Golden Giant* excels all other early sorts in size, quality and productiveness. The ears are much larger than Golden Bantam, but of the same sweetness and flavor. It is very productive, and being hardy, the seed may be planted as soon as the ground becomes warm. Cob contains twelve to sixteen rows of long, thick grains of a deep orange color. *Golden Giant* has a deliciously rich sugary flavor, and is extremely tender. It is exceptionally early for such a large size ear. It is the one corn for the home and market gardener who wants the greatest amount of high-quality corn in the shortest period of time. We recommend *Golden Giant* to our customers after a thorough test in our own Seed Gardens. Pkt. 15 cts. $\frac{1}{2}$ lb. 25 cts. 1 lb. 40 cts. 5 lbs. \$1.50. Postpaid. 10 lbs or more at 22 cts. per lb.

Howling Mob

Large-Eared Early Sweet Corn

This excellent Sweet Corn originated in Lucas Co., Ohio. Ready to use within 3 to 5 days after Early Cory when both are planted at the same time. Ears measure 7 to 9 in., with 12 to 14 rows of good size. Stalks are strong and vigorous, growth $4\frac{1}{2}$ to 5 ft. in height, having abundant foliage, generally producing 2 fine ears to a stalk. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 15 cts. lb.

Mammoth White Cory. An early corn. Grains large and white and of remarkably good quality. The size gives it ready sale when the market is overstocked. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., lb. 25 cts., 5 lbs. \$1.10 postpaid, 10 lbs. or more at 15 cts. lb.

Early Minnesota. Early sort. Stalks 6 ft. high, bearing 1 or 2 ears. Ears 8 in. long, 8-rowed; kernels broad, sweet, tender, Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., lb. 25 cts., 5 lbs. \$1.10 postpaid, 10 lbs. or more at 15 cts. lb.

Improved Bantam

A Large, Sweet, Yellow-Grained Sweet Corn Retaining Its Delicate Tenderness Even when a Little Old

Improved Bantam excels all the other medium early varieties of corn in size, productiveness, and quality, and all the late varieties in quality and early maturity while equaling them in size.

Because of its hardness, it may be planted as late as July 15th in Northern Ohio.

The stalks grow six to eight feet tall producing two ears, about nine inches long, carrying twelve to fourteen rows of long thick kernels of deep orange color. It produces an abundance of foliage for such a short stalk.

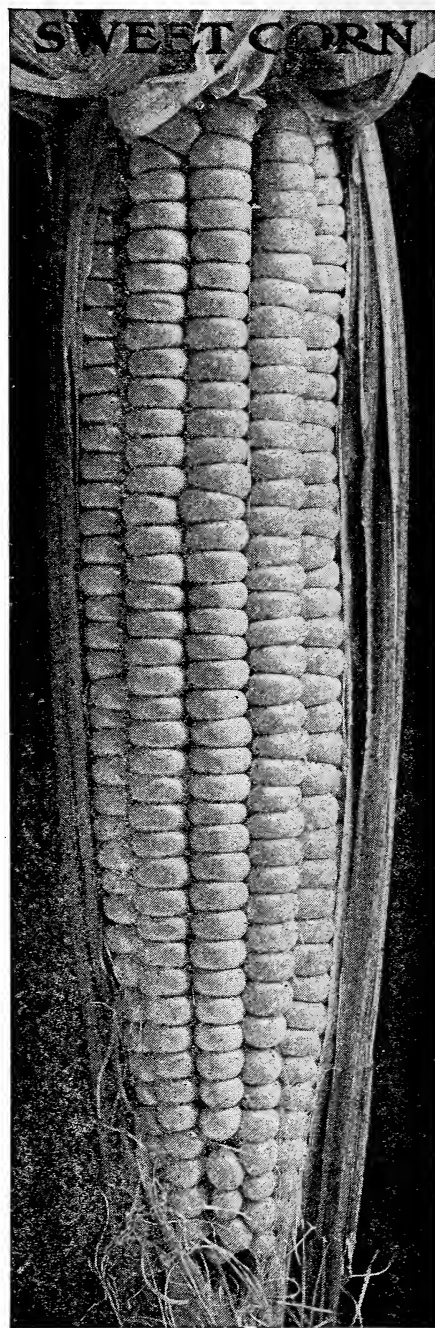
Improved Bantam is the corn for the home or market gardener who desires the greatest amount of the highest quality corn.

You can not make a mistake in planting Improved Bantam. Last year the demand again exceeded the supply and we were obliged to refuse many orders. Pkt. 15 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 22 cts. lb.

C. A. Sommer, Jay Co., Ind.—"The garden seeds we got from you last winter are fine. We have the best garden this year that we have ever had. Will have another order when we get your next year's Catalog."

George Richardson, Trumbull Co., Ohio—"Last Spring I got some seed from you, and I must say that they were all that you claim for them. I was well satisfied. The Sweet Corn was splendid."

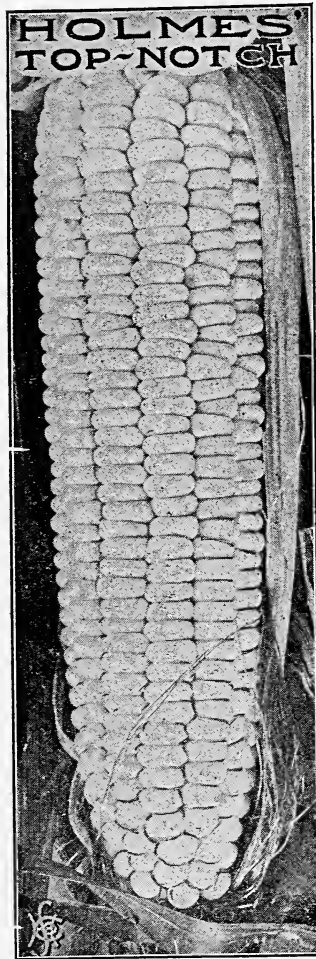
TEN POUND PRICES DO NOT INCLUDE TRANSPORTATION



HOWLING MOB
Is by far the best of its class

PLEASE NOTICE If you want quantities of Corn, write us for special prices, stating quantities wanted.

"Holco" Top Notch Sweet Corn



Top Notch is destined to become a leader among sweet corn. The plant is of dwarf habit and very hardy, capable of carrying a large number of uniformly large, thick ears, compactly filled from butt to tip with long white kernels of luscious tenderness. It excels in earliness and productiveness. A quick growing sort, being hardy, will stand early planting in the North. We are confident that this corn is worthy of a trial in every garden and truck patch. **Pkt. 15 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 22 cts., 1 lb.**

Golden Bantam. Earliest, hardiest and sweetest deep, yellow-grained variety. Golden Bantam is actually the finest flavored of all Sweet Corns. Can be planted thickly. The plants are dwarf, only 4 feet high, having 2 ears. On account of the firm substance of the cured grains it can be planted earlier than any other Sweet Corn, which, in itself, is a valuable quality. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 15 cts., 1 lb.**

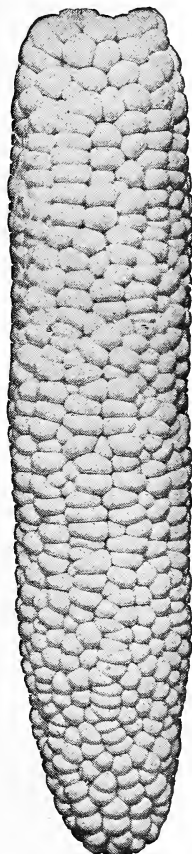
J. G. Exline, North Industry Rd.—"I planted a lot 50x120 ft. in Golden Bantam Sweet Corn. You said the seed tested 75%. It must have been at least 90%. July 27, I sold from the first picking to the amount of \$32.07. In all I have used and given away at least \$10 worth of delicious corn, besides total cash sales of \$52.81, and have a nice lot of fodder yet to sell. I'm going to stick to Golden Bantam."

Kendel's Early Giant. Remarkably large in ear for a second early sort and extensively grown in some localities for the market. The stalks are about five and one-half feet high. The ears are about eight to nine inches long, twelve rowed. The grain is white, rather broad and shallow, and the quality is very good. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts. 5 lbs. \$1.25 postpaid, 10 lbs. or more at 15 cts., 1 lb.**

Early Evergreen. Earlier than Stowell Evergreen. Ears about 7 in. long, have 16 to 18 irregular rows, with very deep grains. Plants about 7 ft. high. Main-crop variety for home garden and market. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 15 cts., 1 lb.**

Black Mexican. Corn cooks remarkably white, but the ripe grain is bluish black. Is tender and of fine quality. Stalks about 6½ ft. high; ears about 8 in. long; usually 8-rowed. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 4 lbs. \$1.25 postpaid, 10 lbs. or more at 15 cts., 1 lb.**

Mammoth Late. A large-eared variety. Produces mammoth ears which are thick through, with large, broad grains of excellent quality. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 15 cts., 1 lb.**



COUNTRY GENTLEMAN

Stowell's Evergreen. Standard main-crop variety. Hardy, productive, very tender, sugary, remaining a long time in condition. Our stock has been carefully grown and selected. Ears about 8 in. long, 14 to 20-rowed; about 7½ ft. high. **Pkt. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10 postpaid, 10 lbs. or more at 14 cts., 1 lb.**

Pop-Corn Japanese Rice

Also known as Tom Thumb, Australian Hulless. Japanese Rice is a dwarf-growing White Rice Pop Corn, a heavy yielder, and is ready for popping soon after it is husked. It has no hull or shell or hard center, is most tender, and of a delicious flavor when popped. You will not be without it if you give it a trial this year. **½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid.**

White Rice. Stalks grow six feet high. Produces 3 or more ears on a stalk. The grains are sharply pointed. **½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.00 postpaid.** Write for prices on larger quantities.

Queen's Golden. Most popular. Pops perfectly white. Produces 3 or more ears on a stalk. **½ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.00 postpaid.** Write for prices on larger quantities.

Ten pound prices do not include transportation.

Country Gentleman or Shoe-Peg. A mid-season Sweet Corn. Ears are large-sized, frequently three on a stalk, giving great depth to the grains. Ears average 8 to 9 inches in length. For sweetness none surpasses this variety. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 15 cts., 1 lb.**

Dandelion

A hardy perennial; one of the greatest spring tonics. The broad-leaved cultivated form is far superior to the wild growing product. Sometimes grown and blanched like endive for salad purposes, it is generally cooked as greens. Seeds are sown thinly, in rows fifteen inches apart and covered very lightly. One ounce of seed will sow three hundred feet of row.

Improved Thick Leaved. Very early. **Pkt. 15 cts., oz. \$1.00, ¼ lb. \$2.75.**

J. F. Hammar, N. H.—"The Improved Thick-Leaved Dandelion came up 90%. That is some for Dandelion."

Mrs. L. E. Muckelburg, Huron, O.—"I sent you an order for Garden Seeds last spring and had such fine results that I want to send you my order again this year. Kindly send me a catalog."

Mrs. J. W. Imhoff, Ashland County, O.—"Had a nice lot of Queen's Golden Pop Corn from seed purchased of you."

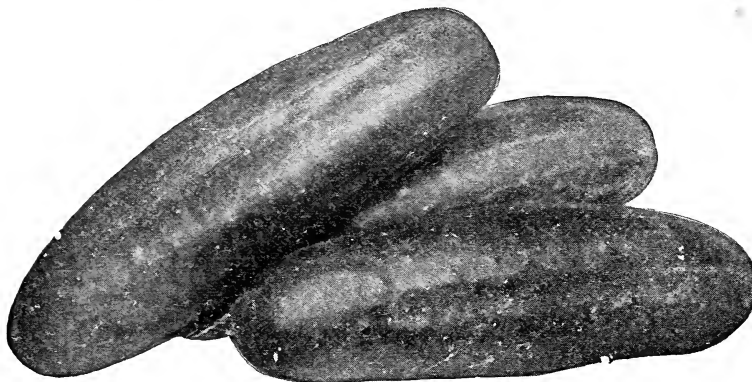
Cucumbers

Cucumbers should be grown in every garden to furnish both large fruit for slicing on the table and small young fruits for pickling. Plant 10 to 12 seeds one inch deep in hills four feet apart. Later thin to two or three plants per hill. Do not plant until soil is warm and frosts are over. A second sowing may be made late in June and during July, for a fall crop. Hoe or cultivate only until plants start to vine, then pull weeds by hand. Should a little beetle with yellow-striped wings, visit the patch, fight him at once by spraying or dusting Arsenate of Lead or Pyrox. Cucumbers have no insect enemies. The richer the soil the more they grow. One ounce will plant one hundred hills; two pounds will plant an acre.

(Our seed is grown from selected stocks, and can be relied upon to produce smooth and uniform fruits.)

"Holco" White Spine Cucumber

Earliest—Prolific—Fine For Slicing



"HOLCO" WHITE SPINE CUCUMBER

As they grow when you plant our High Quality Seed

The fruits are 7 to 8 inches long when ready to pick, square ended, and uniform in shape, dark green marked with distinct white lines at the blossom end, and holding this color when on the market. Is most desirable for its extreme earliness. A vigorous grower and enormously productive, setting a very heavy first crop when the market is highest, and continuing in bearing as long as any. They retain also their fine quality even after the seeds are well formed. Flesh white, crisp, tender, and of excellent quality. Splendid for table cucumbers and for market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50 Postpaid.

Davis Perfect

The originator states that he experimented several years in trying to get an improved strain of cucumber for forcing under glass and outside culture. The Cucumbers are a good shipper, rich dark green, from nine to ten inches in length, slender, slightly tapering, straight on under side, slight hump on upper side, shy seeders, very tender, of fine flavor. Vines vigorous and able to withstand unfavorable weather, better than most varieties. Pkt. 10 cts., oz. 20 cts. $\frac{1}{4}$ lb. 55 cts., lb. \$1.75.



DAVIS PERFECT CUCUMBER

Always a good one

Early Fortune

We believe we have the most uniformly shaped, dark-green cucumber-grown. It is good for forcing, and as a slicer, in our opinion, has no superior.

It is very popular with home gardeners, and equally so with market gardeners, or any one desiring cucumbers holding their dark-green color until maturity. (see Page 5). Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

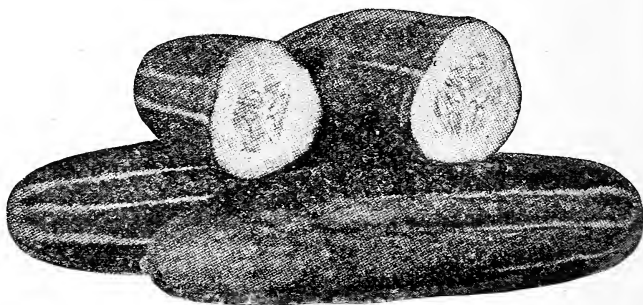
White Wonder. Is a smooth pure white, grows to a good size, flesh firm and crisp; used considerably for canning. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., postpaid

Klondyke

This is one of the leading sorts for slicing and is in demand by Market growers. The fruits average 7 to 8 inches long, when ready to pick are about $2\frac{1}{2}$ inches in diameter. Square-ended dark green, very firm, and the crisp, white flesh is of excellent quality. It comes into bearing a week later than Holco White Spine, and produces a heavy crop. The fruits never turn yellow and hold up well after picking. We recommend it for home and market growers. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts. lb. \$1.25. Postpaid.

Extra Long or Evergreen White Spine.

One of the very best white spine Cucumbers, due to its length, which oftentimes will be ten to twelve inches from end to end. Vines vigorous and strong, producing a heavy crop of fruit, which are smooth, dark, shiny green until a late stage of maturity. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.75, postpaid.

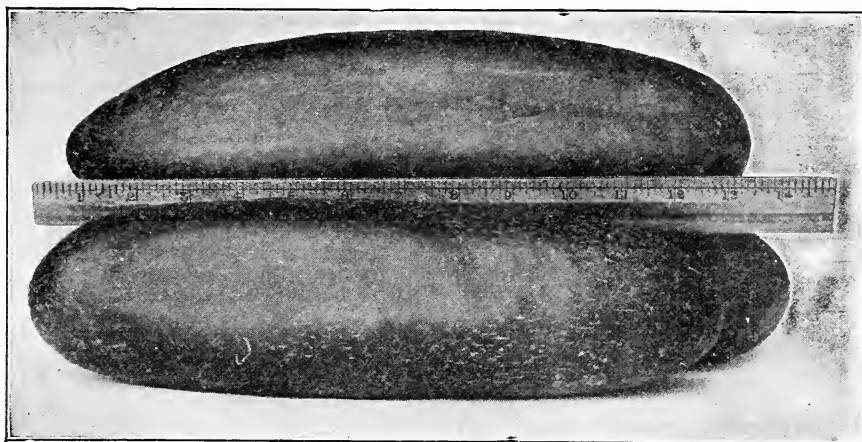


KLONDYKE CUCUMBER

One of the most desirable sorts.

Gather the cucumbers as soon as they reach the right size. This will keep the vines bearing over a long time.

Improved Long Green Cucumber

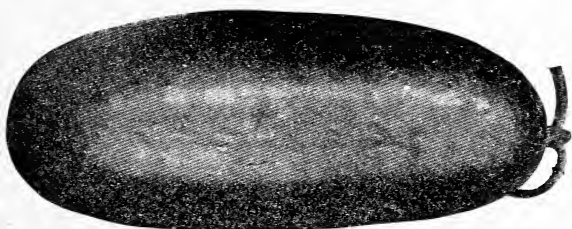


Long Green. Grows from 12 to 14 inches in length, and is of superior quality. The young fruits are very largely used for pickling, a standard sort for that purpose. Full-sized Cucumbers are in high favor for making the so-called sweet pickles. Vines are strong growers; while a shy seeder, the fruit is always produced in great abundance, making it one of the most productive varieties in cultivation. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.75.

Japanese Climbing. Good variety for training to a trellis. Form long fruit of rich dark green color. The flesh is white, crisp, good flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

West India Gherkin. Extremely small fruited variety, grown exclusively for pickles. Has no value for slicing. Very prickly, but tender and crisp if pickled when young. Seed germinates slowly. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Cucumbers—For Pickling



Early Cluster

This medium sized, bright-green variety, is one of the most prolific of our Cucumbers. Combined with extra earliness and productiveness, it is a strong, rugged grower and a continuous producer. Owing to its early maturity and thrifty growth, it will withstand unseasonable weather and produce good crops under adverse conditions. Not quite so large in size as some of the standard pickling varieties, yet it makes one of the very best varieties for home use or for growth as a standard pickle sort. Can be used for slicing. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Cool and Crisp. Fine garden Cucumber, deep green, crisp. White Spine type, pure white when ripe. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Everbearing. Very early prolific. Fruits 4 to 6 in. long, quite thick and blunt at the ends; rich dark-green color. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Short Green or Early Frame. Very desirable variety for either pickling or table use. Fruit straight, small at each end; bright green. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

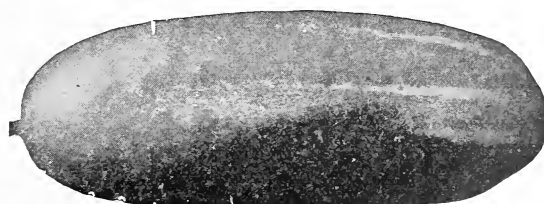
MARKET GARDENERS are requested to send us a list of the vegetable seeds they intend purchasing. We shall be glad to submit low prices on them. Market Gardeners who purchase seed in large quantities are entitled a reduction in accordance with the quantity bought. Write us fully and we shall be very glad to reply and give prices. It does not cost you anything

Snow's Pickling. An early maturing, very small, dark green Cucumber, square ended, very firm and popular with growers for small pickles. We believe the seed we offer meets in all respects the requirements of those who want an ideal bottle pickle. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Chicago Pickling. This is one of the best and most prolific for producing pickles of medium size, both for home use and market. The vines are extremely vigorous yielding a large number of fruits if kept gathered at the proper stage. Skin extremely thin, tender, and free from toughness when pickled. Fruits are pointed at both ends, of excellent quality, for dill pickle we recommend our Chicago pickle. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Boston Pickling

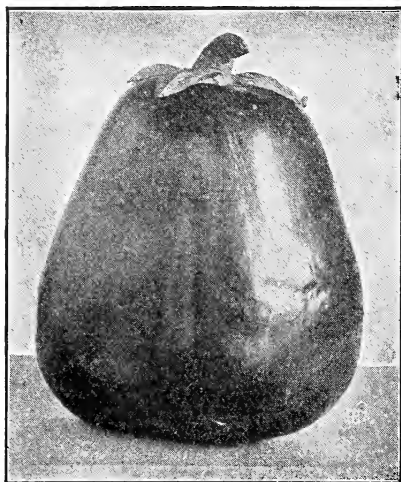
This is a very prolific variety, largely grown for pickles. The fruits average four to five inches in length when large enough for slicing, and are of excellent quality; but it is chiefly for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



BOSTON PICKLING

James Paul, Trumbull County, Ohio.—"We had splendid success with our garden seeds last year. They were so fresh and it seemed as if every seed grew. Hope to have as good this season."

Eggplant



BLACK BEAUTY EGGPLANT
Plant our Superior Stock

Sow seed in March in hotbeds or seed boxes, and when 3 in. high transplant into small pots. Plant outdoors after the weather has become permanently warm. The rows should be 3 ft. apart and the plants set 2 ft. apart in the row. Hoe frequently to keep soil loose and fine. One ounce of seed for 2000 plants, $\frac{1}{4}$ pound to an acre.

Black Beauty. While the Eggplant is naturally tender, the plants of this variety are remarkably healthy in their growth, and produce an abundance of large fruits fully ten days earlier than the New York Improved. The skin is rich purplish black, making the fruit very attractive in appearance. Entirely spineless. The quality is all that could be desired, and the fruits are solid, tender and of excellent flavor. Make a good show on the market-stall, always bring good prices. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$6.00.

New York Improved Purple. The leading sort for home and market. Plant is a vigorous grower. Fruit large, fine and free from thorns, and produced until frost. Skin rich purple. Flesh white and of good flavor. We can highly recommend this carefully selected strain of Eggplant to market gardeners and amateurs. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.60, lb. \$5.50.

Endive

Sow seed half inch in April for early use, or for late use in June or July. When two or three inches high, transplant or thin plants to eight inches apart. To blanch hearts, raise leaves and tie together over heart. Ounce of seed to 100 feet of row, $\frac{1}{2}$ pounds to an acre.

Green Curled. An extremely popular variety. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

White Curled. The most attractive in appearance, very crisp. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Giant Fringed. Has a large white heart. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

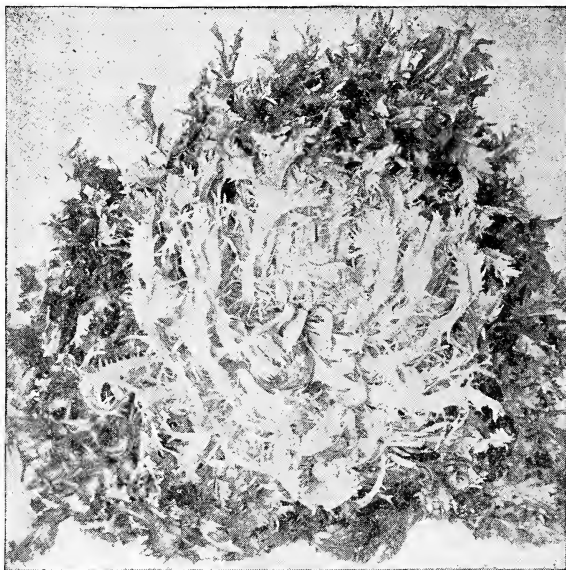
Broad-Leaved Batavian. (Escarolle.) Broad, thick leaves. Pkt. 10 cts., oz. 15 cts. $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Kale or Borecole

Sow seed very early in the Spring, $\frac{1}{2}$ inch deep in rows 18 to 24 inches apart. Thin the plants until they are from 6 to 8 inches apart in the row. The main sowing is made in June for the fall, when Kale is at its best. Frost improves the quality. One ounce will sow a row 150 feet long.

Dwarf Green Curled Scotch. Largely grown for supplying "greens" during fall and winter, is used like spinach; also useful in garnishing. Leaves rich bright green color. The plants are very dwarfed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Dwarf Siberian. Known as the Blue Kale. Rather coarsely curled leaves, but very tender and of delicate flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25



WHITE CURLED ENDIVE
Grown to perfection, Very Crisp

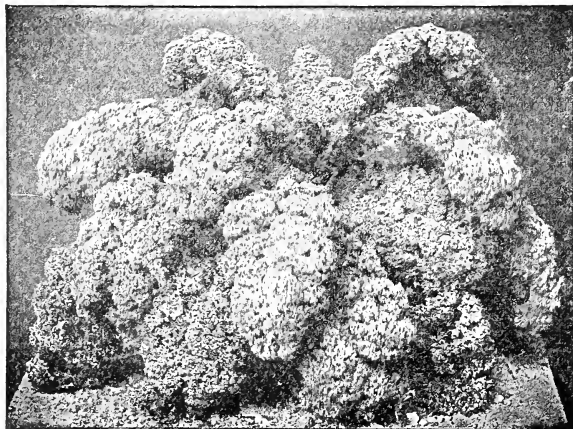
Kohl-Rabi

Sow seeds $\frac{1}{4}$ inch deep and later thin plants to 4 to 6 inches. One ounce of seed will sow 300 feet of row. Four pounds to an acre.

Early White Vienna. A singular variety of Cabbage with a Turnip-like bulb which forms immediately above the ground; flavor of both Turnip and Cabbage. Should be in every garden. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.


Early Purple Vienna. The outside color is purple; flesh white and delicate. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

C. L. Schlott, Louisville, O.—"I found your seeds all O. K. Will be back next season."



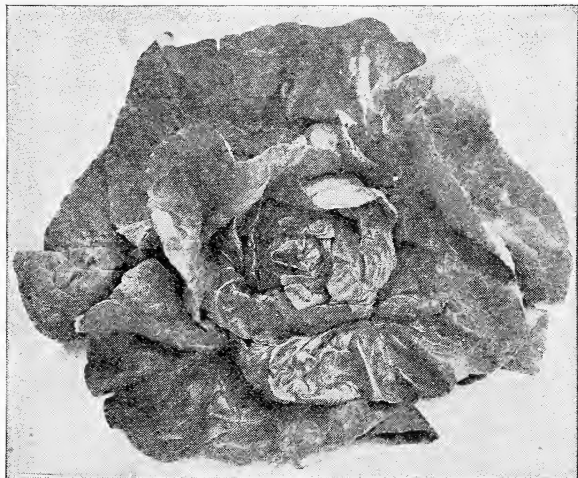
DWARF GREEN CURLED SCOTCH KALE

Lettuce

To grow head Lettuce early, sow the seed in February or March in boxes, flats, or in hotbeds in rows. When an inch high, transplant to cold frames. From there set out in the garden as soon as the soil is warm, placing the plants 5 or 7 inches apart in rows while the rows should be 12 to 18 inches apart. Where there is no hotbed, sow seed outside when ground is warm and transplant outside. For loose-leaf or curly-leaved sorts, sow the seed either broadcast or in rows; make sowings every couple weeks for lettuce all summer, and cut as it comes. By sowing in rows the plants can be cultivated. Sow seed the last of August and in September to be transplanted to the cold frame in October. One ounce will sow 300 feet of row 4 to 5 lbs. for an acre. 

Our Leaflet "Lettuce Culture for the Home, and Market" sent free if asked for."

Cabbage or Heading Sorts



ALL-HEART LETTUCE

New York

Immense Heads as Solid as a Cabbage. Blanches Beautifully. Crisp, Tender and Free From Bitterness

Also known as Wonderful and Los Angeles produces immense heads, often 15 and 16 in. across, and weighing enormously. The interior is beautifully blanching, creamy-white, crisp, tender and delicious, being absolutely free from any trace of bitterness. A very large, robust growing variety, rooting deeply, resisting hot, dry weather, very slow to run to seed and a sure header under most trying conditions. The outer color is of a distinct apple green. Introduced a number of years ago, it has been extensively grown in almost all sections of the country and has been the subject of most gratifying reports. As a standard main summer crop, hot weather lettuce it is in every way desirable; has no equal; not recommended for forcing. **Pkt. 15 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.25.**

May King. Extremely early variety, forming fine hard heads within a few weeks after planting. Medium sized, light green, with buttery but crisp heads. Has just a faint tint of brown on the head. We have had no end of praise from our friends and customers who have tried this variety. Essentially a spring sort, and does well all summer. Being of rapid growth, quick heading, it is especially recommended for home garden; is universally esteemed. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 30 cts., lb. \$1.00.**

Iceberg. Large-heading variety; crisp and brittle, color bright green, lightly tinged with brown on top of the head; leaves curled on the edges. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., \$1.25.**

Mrs. Ella Nocho, Cumber and County, Penna.—The seed you sent me last year were fine. I had a nice garden that supplied our needs all summer, furnished vegetables for the winter, and then had lots to give away.

All-Heart

Introduced several years ago, this splendid variety of head-lettuce has continuously grown in the favor of both private and market gardeners who have grown it, and is the most reliable hard-heading lettuce ever introduced—far superior to all other varieties of cabbage-lettuce. It is adapted to both spring and summer use, as it withstands intense heat and forms magnificent large heads with leaves closely set, extremely solid heart, even before it is half grown. The color is a beautiful yellowish green, and the flavor is excellent, being rich and buttery. This is the very best Lettuce for the private garden. **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 45 cts., lb. \$1.50.**

Big Boston. This variety is very popular for outdoor culture, with big, compact, creamy, buttery heads; is in demand more than any other variety. (see page 6). **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 45 cts., lb. \$1.50.**

All Seasons. An excellent variety; does exceedingly well in hot, dry weather. It is medium large in size and of an attractive appearance, having large, broad leaves of a light-green color. The inner leaves are beautifully bleached a rich golden-yellow; extremely solid heads, never spotted nor brownish; sure heading, very slow to run to seed; tender and mild. **Pkt. 5 cts., oz. 15 cts., 1/4 lb. 30 cts., lb. \$1.00.**

Crisp-As-Ice. A most beautiful, attractive Lettuce of the cabbage type. The heads are solid, of immense size when well grown, and so exceedingly crisp, tender and brittle as to fully warrant the name Crisp-As-Ice. Glossy leaves are thick, nicely crimped and curled; outside leaves are beautifully variegated with dark bronze and green. Heads when cut open, have a rich, creamy yellow heart. A superior family and home market lettuce **Pkt. 10 cts., oz. 15 cts., 1/4 lb. 45 cts., lb. \$1.50.**



MAY KING LETTUCE

Lettuce (Continued)

Improved Hanson. The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which, curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. It matters not whether grown to head in the early spring or in the hottest days of summer, the leaves are always crisp and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25 postpaid.

California Cream Butter. Very popular variety for autumn and winter use. Forms a large head, which is very buttery, of a rich golden-yellow inside. Leaves are thick, bright green, slightly tinged with brown on top of head, the outer leaves are slightly spotted with inconspicuous brown spots. Easy to grow, good shipping variety. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00 postpaid.

Salamander It is decidedly a butter-head variety, strictly cabbage-heading, large to medium in size, maturing in about 70 days, and standing well before shooting to seed. The color is light green, never spotted or brownish in any part; quality excellent and highly recommended for both private and market gardens, being of a very sweet flavor, a sure and reliable header, an excellent shipper and good seller. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. postpaid.

Dutch Speckled Butter. Solid heads of leaves are dotted with brown. Very hardy, large size; white tender, crisp, of good flavor. Adapted to culture in cold frames in winter; also suitable for forcing or for open-air culture. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Margaret B. Smith, Guy Mills, Pa.—“Having tested the seeds I ordered, I find them all fine and so I have decided to place another order.”

Lettuce—Curled or Loose Leaf Sorts



EARLY CURLED SIMPSON LETTUCE

Grand Rapids Lettuce (Special Strain)

Probably the best of the loose-leaved varieties. Never forms a head, but produces abundant crop of pale green leaves, slightly but closely crumpled, which, even when old, retain their characteristic tenderness and brittle character. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50 postpaid.

Black-Seeded Simpson. The plants are very compact and grow quite large. The golden-yellow leaves are curly, finely fringed very crisp. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Cos or Celery Lettuce, Romaine

Paris White Cos. Is of distinct upright growth and esteemed for its fresh crispness and mild flavor. It is grown in the northern states during the late spring and early summer; throughout the Gulf Coast States it is grown for use during the cool early spring months. The growth is erect, about ten inches in height, the outer leaves being well folded toward the center. The interior leaves are blanched to a snowy white; very crisp and mild. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25. Postpaid.

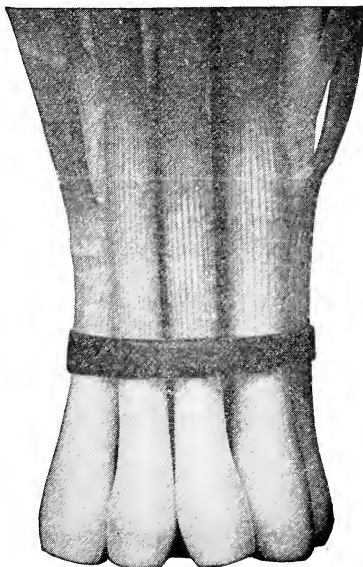
Mrs. Frank Slobetz, Crawford County, Kansas. —“We have a little garden, but since we ordered seeds from you last year, it seemed to be large. The seeds were just wonderful. All the lettuce and the beans were so good. We never had such a garden. So now we are ordering again.”

Early Curled Simpson. Loose-bunching sort, forming no definite head. Crisp, tender; light-green in color. Very hardy, easy to grow for home garden or market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Prize Head. Very popular for the home garden. One of the very best loose-bunching or non-heading varieties. Leaves brown, very curly, of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. Is probably the most easily grown lettuce in cultivation. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. Postpaid.

The Morse. Large loose-bunching non-heading variety, forming a large bunch of leaves which are very crisp. Fine flavor. Color is light green, very attractive. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

John Hergott, Richland Co., Ohio.—“I had some of your seeds last year and had good service of same and would like to have your catalog this year.”



LARGE AMERICAN FLAG LEEK

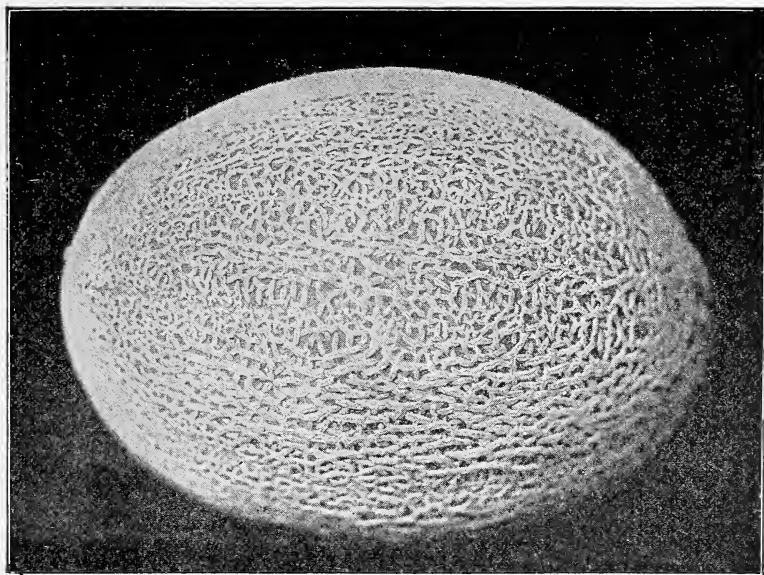
Leeks

Closely related to the onion, being mild-flavor and not forming bulbs. Instead, the plants have flat leaves, which form long, fleshy stalks. Excellent for soup and salads. Sow in the early spring, and when three or four inches tall, thin out to stand four inches apart in the row. With a slight protection, they can be left in the ground all winter. One ounce will sow 150 feet of row; 4 pounds for an acre.

Large American Flag or Broad London. This is a strong-growing variety, producing large, thick stems of mild flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Muskmelon

Plant seed in hills 4 to 6 ft. apart each way, after danger of frost is over. Use well-rotted manure in the hills. Insert seeds just under surface of soil; thin out, leaving only four plants to a hill. A light, warm soil is best, but there are varieties adapted to heavy loams, if well drained. In hoeing draw the soil well up to the plants. Fight bugs with tobacco dust, arsenate of lead or Bug Death. One ounce to 60 hills; two to three pounds to an acre



DELICIOUS GOLD-LINED ROCKY FORD

Rocky Ford or Netted Gem. (Original strain)

A popular early variety of cantaloupes adapted to the entire north and south for market and home use. True type of the original Rocky Ford. If you are only growing for home use or for nearby markets, you will find this a satisfactory variety. The Rocky Ford is regularly ribbed, well netted, good size, and has thick green flesh of delicious flavor. Our seed is from crops grown exclusively for seed purposes, and is not the seed from the tail end of southern and Colorado shipping crops such as is commonly sold. This "cull" seed is offered to us regularly every year at from 10 to 25 cents per pound and is sold to seedsmen and dealers every year who are thus able to make cut prices. You should be as careful with your seed buying as you would be in buying a herd bull. Buy seeds you know are good. The personal inspection work given our crops every year saves you from getting trash of that kind, not only in Rocky Ford cantaloupes, but in hundreds of other items found in this Seed Book. Genuine Rocky Ford Cantaloupe, original strain, Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 10-pound lots or over, not prepaid, \$1.00; per pound.

Jenny Lind. The earliest of the green-fleshed sorts, one of the sweetest. It is round or flattened at the end and small, being from 3 to 5 in. in diameter. The vines are very prolific. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Orange-fleshed Sorts

Hoodoo. There is no better melon than Hoodoo. Excels in uniform size, closeness of netting, roundness of form, tough rind, blight resistance. Flesh is of fine grain; sweetest flavor. More round than Rocky Ford, a fine feature in packing for shipment. The flesh is of deep orange color and extremely thick, there being only a small seed cavity. Netting is heavy and close; melon solid, heavy, and firm at the blossom end. A wonderfully prolific melon, which nearly always produces a fine quality melon quite early in the season. Originator's stock. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50

Mrs. G. W. Zents, Clark, Ohio.—"We are indeed very glad to thank you for the exceptionally good results we obtained from your seeds last year, and do not hesitate to give you our order again for the coming season. The sample of Radish seed you sent was thoroughly tested and proved to be a real novelty in this community. We had radishes that weighed thirteen pounds and were solid throughout, as well as nice and crisp."

Delicious Gold-lined Rocky Ford

Sweetest; Most Delicious

This early green-flesh melon has proven all we claimed for it. Its popularity has increased and our sales have far exceeded our expectations. We have carefully inspected every strain and type of Rocky Ford Cantaloupe, and we believe this to be the very best type for all purposes, that there is in existence. It is an ideal crate melon, fruits all being uniform throughout the fields, and loss from under size and oversize is very small, and its quality can not be excelled. Medium size, solid net, gold-lined next to a small seed cavity, excellent quality, vines hardy, thrifty and rust-resistant. Our seed is made up of the highest class of selected fruits. A wonderfully prolific yielder, producing its melons 10 days to 2 weeks earlier than the Rocky Ford. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Extra-Early Hackensack. The fruits are very early ripening, medium to large-sized, nearly round, evenly and deeply ribbed and with very coarse netting. Skin is green, slightly tinged with yellow as the fruits mature. Flesh is green, juicy, sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Honey Dew Melon

The fruits are of medium size, round or slightly oval, with smooth, very firm light-green thin rind, measuring five to six inches in diameter by seven to eight inches long. The light-green flesh is thick and sweet, resembling a well ripened banana. To have the melon in best condition we suggest gathering as soon as they slip from the vine, and store in a cool place for two or three days before serving, as they apparently are at their best when a trifle over-ripe. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

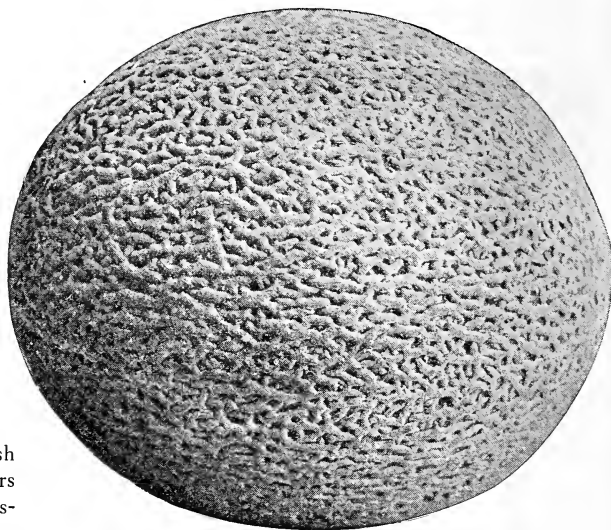
Remember, there's an entirely new and delicious flavor in Honey Dew Melon, different from every other melon.

Tip-Top. Fine, nearly round in shape, and always sells quickly in the markets. Sweet, juicy, delicious. Flesh is orange color, firm but not hard, is edible almost to the rind. Medium to large size, evenly ribbed, moderately netted; a strong grower, heavy yielder, of handsome appearance. This melon has been grown for a number of years by market-gardeners around Rochester, N. Y., also Columbus, Ohio, and has proven superior in every way. Its appearance on the market-stall is very attractive, and it sells on sight. Pkt. 10 cts., oz. 15 cts., lb. 45 cts., lb. \$1.50.

Muskmelon (Continued)

Salmon Tint Pollock No. 10-25

The Pollock No. 25 has a variegated colored flesh and not wholly salmon. That is, part of flesh is green and part salmon color. When cut open, it makes a very attractive melon, pleasing to the eye, is of rich luscious flavor, deep flesh, and in great demand. Vines rust-resisting and stand up well and produce crop on suitable soil, properly cultivated. Our grower in Colorado has grown up with the cantaloupe industry, having been intimately associated with all the best growers, and he knows a good melon when he sees it, and therefore his stock seed is A-1 selected from choice stock. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.**



SALMON TINT POLLOCK No 10-25

Burrell's Gem. Fine thick, orange colored flesh of rich spicy flavor, fine grained. This melon differs from most of the melons grown in the Rocky Ford district, in that it is distinctly ribbed and is not netted as heavily as other strains, the small space between the ribs being free from netting. It is a great favorite in some markets; oblong in form, about 5 to 6 inches long. They hold up well in long distance shipping. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.**

Fordhook. One of the best home-garden melons; of small size, globe-shaped, flattened at the ends. Roughly netted, while the skin showing through the netting is emerald green. The flesh is rich salmon in color, very solid and of delicious flavor. The rind is extremely thin and the seed cavity unusually small. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.**

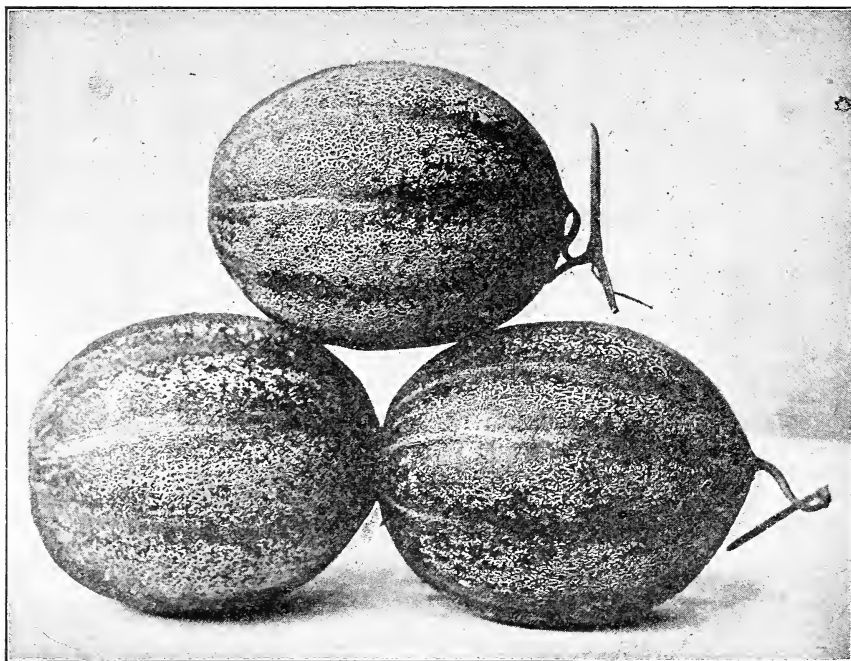
Emerald Gem. Early, prolific. Ribs are marked, but the skin is smooth, of a deep emerald-green; flesh is thick and firm, ripening almost to the rind, richest flavor. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.**

Paul Rose or Petoskey. The thickest fleshed yellow or salmon-colored muskmelon, of delightful flavor. Good shipper, a fine melon for market purposes. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.**

Miller's Cream or Osage. We have a most excellent strain of this popular variety. A field of our

strain of Osage is a sight well worth the time and expense of any grower to see. This has been one of the most popular varieties for certain sections, and while it has been on the market a great many years, it still retains its popularity. The melon as selected today differs from the original type in having more netting. Very prolific, fair size, egg-shaped fruits, slight silver netting, thick orange flesh, fine grained and of spicy flavor; one of the best medium-sized melons for home growing and market gardeners' use. **Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.**

Banana. Skin is long cucumber shape; flesh orange delicious flavor. **Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.**

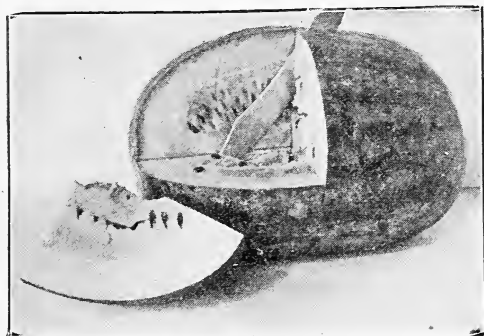


MILLER'S CREAM, OR OSAGE MUSKMELON

Watermelons

Watermelons do best on light, well-drained soils, but some varieties are adapted to heavy loams. The hills should be 8 to 10 feet apart; plant 1 inch deep, 8 to 10 seeds to each hill, using well-rotted manure. Later thin plants to 2 to each hill. Plant soon as ground is warm. One ounce of seed will plant 30 hills; 3 to 4 pounds to the acre.

"Holco" Melon Seed is carefully grown, and saved from crops grown exclusively for seed. All seed taken from selected melons only.



COLE'S EARLY

"Tom Watson"

Seed grown from the original stock which has been kept pure, and not the "run-out" seed now generally sold

The Watson has been the most largely planted melon for shipping purposes. It's a splendid melon for shipping, for nearby markets and for home use. It comes as near being a combination all purpose melon as we have ever seen.

There has been much complaint about the Watson "running out" and this is absolutely true of a large part of the Watson seed on the market. It is seed saved from the tail end of the shipping crop, seed from malformed, rotten-ended runts and culls. You can't afford to plant such seeds.

In eating quality the Watson is away above the average and its tough, medium thick rind makes it ship equal to the old shipping sorts. Its dark green color and generally handsome appearance makes it a seller at top of the market prices. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00, postpaid. In 10 lb. lots or over, not prepaid, \$9.00.

Kleckley Sweet

The Great Big, Sweet Juicy Watermelon

No other melon has ever attained such general popularity for home use and nearby markets as our Kleckley Sweet. Its eating qualities leave absolutely nothing to be desired. Vines strong and vigorous; melons medium to large in size; oblong, 18 to 24 inches in length, 10 to 12 inches through. Skin a very rich dark green color; flesh extra sweet and of brightest rich scarlet, ripening right up to the thin rind. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, postpaid. 10 lb. lots or over, not prepaid. \$1.00 lb.

Florida Favorite. It is a large, smooth, beautifully shaped melon, of dark green color, irregularly striped with light green, very early and prolific. Rind of medium thickness, rather tough, making it a fairly good shipper. Flesh red, very crisp, tender, and juicy. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00, postpaid. 10 lbs. or over, not prepaid, 80 cts. lb.

Peerless or Ice Cream. Fruit medium size, oval, bright green, finely veined. Flesh bright scarlet, crisp, tender and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. 10 lbs. or over, not prepaid, 80 cts. lb.

Sweetheart. An early oval-shaped melon, light green mottled, with thick tough rind. Flesh light red, solid, of fine quality and flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Cole's Early ^{A Splendid Melon} for the North

This is a fine Watermelon for family use and home market. Melons seldom over 12 inches long and 9 inches in diameter, but what they lack in size they more than make up in number and quality. Rind green, striped a lighter shade. Flesh bright red, crisp, delicate texture, juicy and sparkling. In flavor it is lusciously sweet and refreshing. Very early and can be grown successfully. It will mature large crops in the Northern States. Seeds black. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. Postpaid 10 lbs. or over, not prepaid, 80 cts. lb.

Halbert Honey

Sweetest of all Watermelons

One without strings in the flesh. Is excellent for home and nearby market use. Its delicious crimson-red flesh extends nearly to the skin, the rind being very thin and brittle. Its dark green skin makes it a very attractive melon. It is early, prolific, and grows to rather large size. For the finest eating melon, plant Halbert Honey. You will have the finest melons you have ever tasted. The rind is not tough or thick enough for long distance shipping. Just grow them for all you can eat and sell locally. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00 postpaid. 10 lbs. or over, not prepaid, 80 cts. lb.

Harris' Earliest Fruits exceptionally large for so early a variety, slightly oval, with irregular mottled, broad stripes of light and dark green; flesh bright red, sweet and tender; seed black. The vines are vigorous and productive. One of the best varieties for northern latitudes. We are convinced that it is the very best first-early melon for the home garden. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. Postpaid. 10 lbs. or over, not prepaid, 80 cts. lb.

Colorado Preserving Citron Excellent for making preserves. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Mushroom Spawn

Agaricus Campestris

Growing Mushrooms is profitable business. Cultural directions free for the asking

Per brick 40 cts., 5 bricks \$1.75 postpaid; express or freight. 5 bricks, \$1.25; 10 bricks \$2.25, 25 bricks \$5.50.

Mustard

The seed leaves are used for salad; when older, they are boiled for greens. One ounce will sow 75 feet of drill.

Ostrich Plume. Has beautiful dark green leaves which curve outward like fine ostrich plumes. It stands well even during the hot summer months. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

White London. Generally used while young in salads and garnishing. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Okra or Gumbo

Sow seeds when ground is warm, one inch deep, a few inches apart, in rows 3 to 5 feet apart. Thin plants to 18 to 24 inches apart. Until plants are almost grown, cultivate frequently and not very deeply. Pick young pods every day to keep plants bearing. One ounce of seed to 100 feet of row; eight lbs. to an acre.

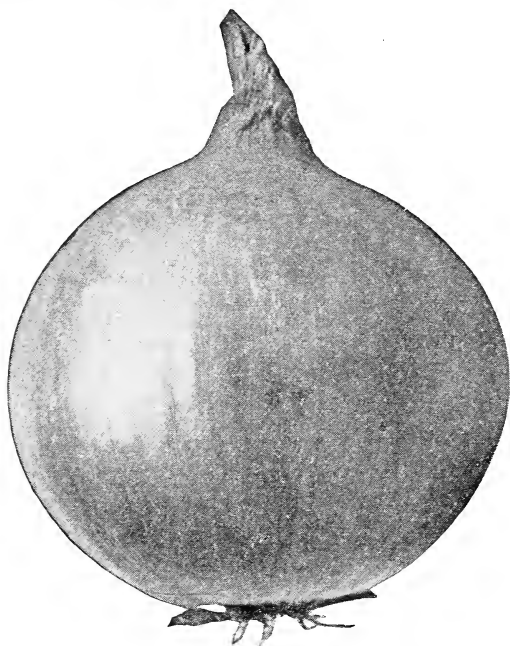
White Velvet. White pods; smooth and velvety in appearance. Lady finger. Long slender pods. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Perkins Mammoth Long Pod This is by far the best sort for market. Ready to use in 50 to 55 days, pods slim, dark green, frequently 9 to 10 inches long. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 20 cts. lb. 60 cts.

Onion

HOW TO GROW GOOD ONIONS: For dry (fall) bulbs, select a clean, rich, well drained and well-manured piece of land, prepare a perfect seed-bed, and sow seed in early spring in drills 15 in. or so apart. Use wheel hoe and weeders freely, and thin plants to stand at least 2 in. apart in the rows. Pull when tops begin to die down, cure and sell, or store in a cool, dry place. **FOR SETS,** select clean, sandy soil of medium fertility, prepare it well in early spring, and at once sow seed in drills a foot apart, using 40 to 60 lbs. of seed to the acre. Gather the sets when ripe, cure and store in a dry airy place. They may be wintered in a slightly frozen condition, but must be protected from repeated freezing and thawing. In early spring following, plant them in shallow drills, 12 in. apart and about 2 in. apart in the drills.

By sowing seed of the Spanish type, such as the Ailsa Craig, Prize Taker, under glass in January, February or even March, and transplanting, in April to open ground, 3 to 4 in. apart in the rows, bulbs of immense size may be produced. One ounce for 100 feet of row; four to five pounds for one acre.



YELLOW GLOBE DANVERS ONION

Yellow Globe Danvers

Heavy Yields and an Excellent Keeper

Handsome bright even yellow color, large in size. Early and heavy cropper, very thick bulbs, slight depression from top to bottom, is a perfect sphere. Our Yellow Globe Danvers are selected to a high standard of perfection. When at maturity the tops disappear, leaving the bulbs with small neck, clean and solid. We have supplied onion growers with thousands of pounds of this seed. Why grow ordinary Onions when you can procure new crop seed from this wonderful strain of Onions at the following Special Prices. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25. postpaid.

"Holco" Ohio Yellow Globe. Heavy and solid. enormous yielders, keeping qualities unsurpassed. For description see page 7. Pkt. 10 cts., oz., 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.



SOUTHPORT YELLOW GLOBE ONION

Southport Yellow Globe. This strain of Globe Onion produces onions with a brownish-yellow skin fine-grained white flesh. Has been selected to the slim or slender neck which makes it earlier and insures ripening of the bulbs. Tops die early and uniformly. The onions average from 2 to $2\frac{1}{2}$ in. in diameter. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Southport White Globe. True globe-shaped, the onions are 2 to $2\frac{1}{2}$ in. in diameter, with a thin, delicate skin of purest whiteness, fine-grained, of a mild flavor. We firmly believe there is no better strain than ours. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Southport Red Globe. Handsomest of all red Onions, large and most perfect Globe shape, the onions are 2 to 3 in. in diameter. Remarkably uniform in size and form, are thin necked, ripening down to a solid ball. Its long keeping qualities make it an excellent shipping onion. A vigorous grower and a heavy cropper, very hardy. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Ailsa Craig Mammoth. We offer a very fine strain of this true globe shape Onion, which on account of its Enormous Size, is in great demand. It is a good keeper, and is much liked and recommended on account of its acceptable, delicate, and pungent flavor. It is an excellent keeper for a large onion. Has attractive pale straw color. To secure the largest onions, seed should be sown in hotbed in the early spring and transplanted later to the open ground. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Prize-Taker. (American Grown). The king of all Yellow Globe Onions. A bright, clear straw-color, always grows a perfect globe. A very small neck and ripens up hard and fine, flesh is pure white, fine grained, mild, delicate flavor. Of immense size, measuring from 12 to 16 in. in circumference. In market it never fails to attract attention on account of its beauty, and sure to bring a far better price than other onions. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Robert Rand, Minnesota, Oct. 24th, 1919.—"We harvested the largest crop of onions this year from your Yellow Globe Danvers Seed. The onions were large and the finest we ever grew. In the hot-bed the seed germinated 96%. We will plant 65 acres next spring. Send your catalog."

PLEASE NOTICE.—If you want larger quantities of Onion Seeds, write us for special prices, stating quantities wanted.

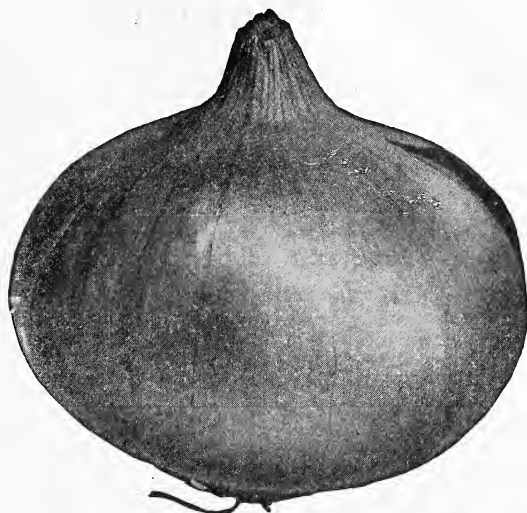
White Portugal (Or Silverskin) Onion

Bulbs grow to a good size, ripening early, and have a somewhat flattened shape. Flesh is mild and sweet, the thin skin silvery white. One of the best for slicing or boiling, also pickling. When seed is sown at the rate of 25 lbs. per acre it makes bulbs of suitable size and most desirable for pickling. Largely planted for producing white sets for early spring and late fall planting. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 55 cts., lb. \$1.75.**

Extra Early Barletta. A small flat, pure white onion, running from 1 to 1½ in. in diameter and should be left to grow quite thickly in the row. These are mainly planted to produce small onions for pickling. **Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts. lb. \$2.50.**

Large Red Wethersfield. A very popular variety for winter markets in northern states. In color the skin is deep rich purplish red, flesh white, lightly tinged with pinkish rose. Onion weighing 1 lb. from seed is not uncommon. Our strain Large Red Wethersfield has a small neck, is entirely free from scallions or thick necks. Well flattened, solid and thick, of remarkably mild flavor for a dark onion. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.**

"D. N. Bower, Carroll Co. O.—"The Large Red Wethersfield Onion Seed that you sent me last year was fine."



RED WETHERSFIELD ONION
Sure Cropper and Heavy Yielder

John C. Hoover, Atwater, O.—"The seed and Yellow Globe Onion sets I received from you last year were very satisfactory."

Onion Sets

We are prepared to furnish the choicest stock and spare no pains to produce them from thoroughbred seed and to keep them true to name. One pound will plant 40 feet of row; eight bushels to an acre. Onion Sets are subject to market changes. Before buying write for lowest prices.

Yellow Globe Sets. Per lb. 25 cts., postpaid.
(Write for prices on larger quantities.)

White Sets. Per lb. 35 cts., postpaid. (Write for prices on larger quantities.)

Mrs. C. T. Bailey, Trumbull Co., O.—"We were well pleased with the Onion Sets you sent us, as they were every one good and all came up."

James Albough, Jefferson County, Ohio.—"The seeds I received from you last year were first-class in every respect. Enclose find my order for this year."

Parsnip

Sow as early in the spring as the weather will permit, in drills 18 in. apart and ½ in. deep, in a rich, deep soil; thin out 3 in. apart in the rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. Secure enough in pits or cellars in the fall for immediate needs. One ounce for 200 feet of row; five to six pound for an acre.

Long, Smooth Hollow Crown. Roots about 15 in. long with a diameter at the top of 2½ to 3 in. Skin white, smooth, very productive, but requiring a deep soil. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**

Guernsey. Handsome, white, thick root which is shorter than the Long Smooth Hollow Crown. Clean skin, very fine, grooved neck. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 75 cts.**

Egyptian or Perennial Tree Sets. A perfectly hardy perennial onion, throwing up stalks every spring. It produces sets or small bulbs at the summit of the stalk and the root also divides. They are planted in August and September for scallions. Ready in August. **Per lb. 25 cts., postpaid.** (Write for prices on larger quantities.)

Parsley

Sow the seeds as early in the Spring as the ground can be prepared, in a row dropping them to space thinly. Cover from one-eight inch deep, and allow eighteen inches to two feet between the rows. Parsley seed is very slow to germinate and often a month will elapse before seedlings appear. Thin out the plants, when large enough, to stand six inches to a foot apart. By protecting with boards or boxes, plants will grow until severe cold weather. One ounce to 150 feet of row; three pounds to an acre.

Champion Moss Curled. Compact growing, densely curled sort. Owing to its dark green color, it is popular with market gardeners; very useful for garnishing. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. \$1.00.**

Double Curled. Is upright in growth. For this reason is preferred by many market growers. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. \$1.00.**

Plain. Excellent for seasoning. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 85 cts.**

Hamburg Turnip—Rooted. Edible Roots are long, rather early, and in appearance much like a parsnip. The foliage is the same as that of the common parsley. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. \$1.00.**

An edging of parsley around the flower beds will give a supply of greens and will make a pretty border. Keep the parsley well supplied with water at all times.

Pumpkins

Pumpkins will grow almost anywhere, but thrive in rich soil. Many pumpkins are exceptionally good for pies; other sorts are fit only for feeding live-stock. Plant in hills 8 to 10 feet apart, using 8 to 10 seeds to a hill. Plant seed one inch deep. Later thin to 2 or 3 plants to a hill. One ounce for 200 feet of row. $\frac{1}{4}$ lb. for 75 hills. 3 to 4 lb. to an acre.

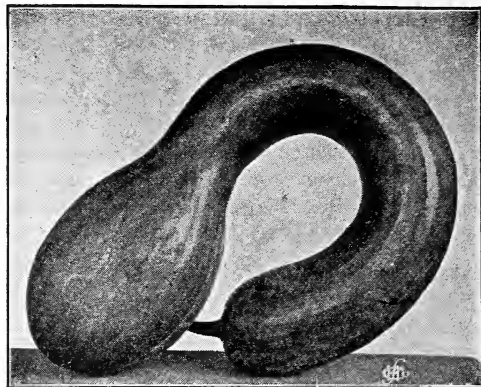
Mammoth Golden Cashaw. Also known as Crookneck. One of the widely popular varieties. Two ft. long, light colored. Flesh yellow, solid, sweet; excellent for pies. Has little interior cavity, being almost solid flesh. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Green Striped Cashaw. An improved strain of the old Cashaw. Beautiful in appearance; a distinct, mottled green, white-striped. Fruit solid; averages 15 to 25 lbs.; flesh yellow, fine grained, sweet and excellent for pies. Sells well on the market. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Japanese Pie. High quality Pumpkin of Japanese origin. Flesh is very thick, a rich salmon color, fine grained, dry and sweet. Seed cavity small. Of medium size, early, very productive and a good keeper. Highly desirable as a pie or cooking pumpkin. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

King of the Mammoths. Fruits grow to enormous size, sometimes reaching 2 ft. or more in diameter and from 100 to 200 lbs. in weight. Salmon-orange skin; very thick, bright yellow flesh, which is fine grained, tender, of excellent quality for pies. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Small Sugar. Small size, averaging about 10 in. in diameter; of excellent keeping qualities, flattened or slightly ribbed. Skin deep orange-yellow, flesh very sweet and tender. One of the best for pies. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



MAMMOTH GOLDEN CASHAW PUMPKIN

Field Pumpkins

They are excellent for feeding stock, and should be grown in every corn field. Hundreds of loads of pumpkins can be grown without any extra expense.

Connecticut Field. This is widely known as the Yankee Cow Pumpkin, and there is no variety that will do as well among the corn. Oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. postpaid.

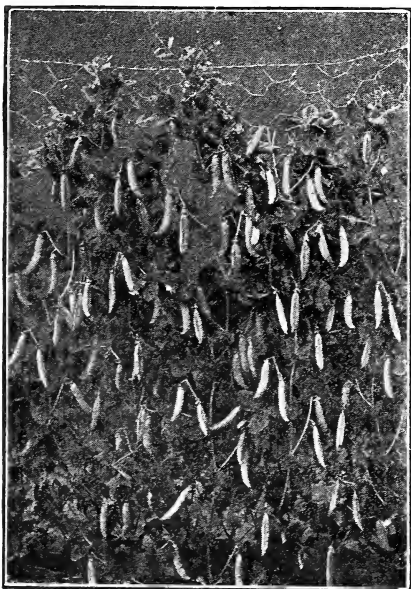
Mixed Pumpkin Seed. We offer a mixture of Pumpkin seed, consisting of large Mammoth and fields sort, and also the choicest pie pumpkins. $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. postpaid.

Peas

This being a leguminous crop, it is important to give it a place in the garden of the home gardener as well as the commercial grower.

The pea should be planted very early in the Spring, and if dwarf sorts are used for the first plantings we should have them for the table in most sections of the north, not later than June 15th. The smooth dwarf sorts are highly satisfactory. Peas may be had during most of the summer and they should be grown much more largely for canning and drying. They require a fairly rich soil and the taller sorts should be well supported to secure maximum yields. Two pounds to 100 ft. of row, 100 pounds to an acre

Leaflet—"The Vegetable Garden," furnished with order when asked for.



"HOLCO" MARKET GARDENER
EXTRA EARLY PEAS

Extra-Early Smooth Peas

Alaska. Also called "Earliest of All." The most extensively used Smooth Pea. Popular with early market gardeners owing to its abundance of pods and uniform maturity. Foliage is of a peculiar light green tinge. vines growing 20 to 30 inches. Pods $2\frac{1}{2}$ in. long, straight, round, well filled. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more at 20 cts. lb.

"Holco" Market Gardener Extra Early A Large-Podded Extra Early

This superb strain is the result of most careful expert work of selection and reselection continued through a long series of years. It excels in purity of stock and freedom from sports all other extra-early peas ever offered in this or any other country. Equally as early as Alaska, the peas are much better in flavor. The vines are quite slender, of very quick growth, and average eighteen to twenty-four inches in height. The pods are well filled, and the entire crop can be gathered in one picking. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more at 25 cts. lb.

Extra-Early Wrinkled Peas

Premium Gem or Improved Little Gem. Early, prolific, uniform in growth and productiveness, bearing pods single on both sides of the stalk, beginning near the ground. The peas, wrinkled, are of good quality. Pods $2\frac{1}{2}$ in. long, nearly straight, round, well-filled to the end. Height of vine 18 inches. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 25 cts. lb.

Ten pound prices do not include transportation

Peas (Continued)

Little Marvel. A dwarf, first-early wrinkled Pea of unusual value, but recently on the market. The demand among market gardeners for this variety is already enormous. Height of vine 15 in. The pods 3 in. in length, frequently borne in pairs. The pods contain 6 or 7 large, dark-green peas, which remain in good eatable shape a week later than most other varieties. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75** postpaid; 10 lbs. or more at 30 cts. lb.

Nott's Excelsior. Very heavy yielder. Peas wrinkled, height of vine 14 in. Being more uniform, productive and earlier than others, is far more desirable. This pea is used in large quantities and is very popular. Pods 2¾ in. long, straight, round. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50** postpaid, 10 lbs. or more at 25 cts., lb.

American Wonder. Vigorous, productive, with dark foliage, having the peculiarity of producing leaves on one side of the stalk. Very popular with private and market gardeners. Peas wrinkled, height of vine 12 in. Pods 2½ in. long, round, crowded to the end. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50** postpaid, 10 lbs. or more at 25 cts. lb.

Sutton's Excelsior. This is probably the finest dwarf wrinkled Pea in cultivation and especially for private and market gardeners, bearing large, broad pods filled with large peas. Very tender, or most delicious flavor. In the front rank for earliness, with much larger and handsomer pods than any other variety in this class yet introduced. Height of vine 18 in. **Pkt. 15 cts., ½ lb. 20 cts., 1 lb. 40 cts., 5 lbs. \$1.75** postpaid, 10 lbs. or more at 30 cts., lb.

Laxtonian--The Best First-Early Dwarf Wrinkled Pea

Bears long, handsome pods fully as large and early as Gradus, while the vines require no staking. Is unequalled for extreme earliness, superb quality, and productiveness. The dwarf vigorous vines average fifteen in. in height and carry enormous crops of large, deep bluish-green pods. The handsome pointed pods, generally borne singly, measure 4 to 4½ in. long and are tightly packed with 8 to 10 extra large, deep bluish-green peas. These peas are not only large in size, but of most luscious flavor. The pods are ready to pick as early as Nott's Excelsior, while double the size. If sown thinly, say 4 in. between the seeds in the row, the produce will astound even experienced gardeners. Supply of seed is limited. **Pkt. 15 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75** postpaid, 10 lbs. or more at 30 cts. lb.

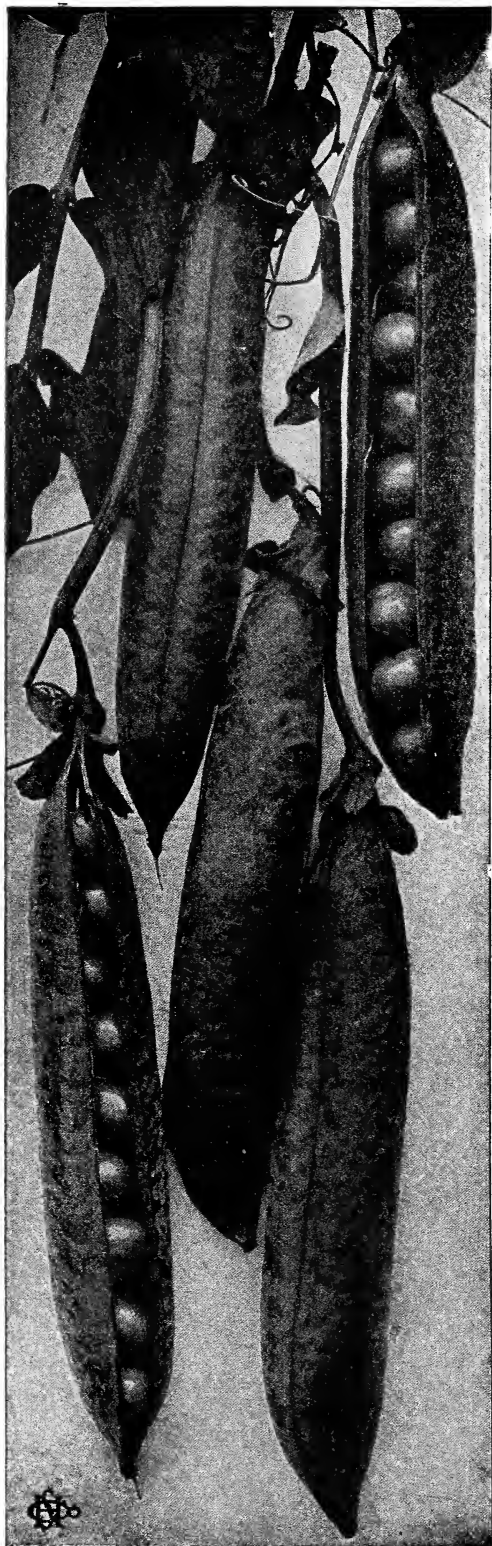
Gradus. Here we have a large, early wrinkled Pea with a pod large as Telephone. This popular large-podded wrinkled pea of finest quality matures pods only two or three days later than the small-podded round-seeded extra-earlies. The vine has heavy stems with large light-green leaves, and grows three feet high. It produces uniformly large pods, measuring from four to four and a half inches in length, nearly round, and well filled with very large, handsome peas of the finest flavor. The peas remain tender and sweet for some time after they are large enough to use. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75** postpaid, 10 lbs. or more at 30 cts. lb.

Thomas Laxton. Closely resembling but harder than Gradus, and a more abundant yielder than the famous Gradus—as a long-podded extreme-early wrinkled pea—and in some respects is even better! The growth is identical, but the pods are a deeper, richer green and square at the end. In the judgement of experts, Thos. Laxton is even sweeter and finer in flavor, while as the large peas are of a deeper green, they present a more attractive appearance. Four days later than Gradus. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75** postpaid, 10 lbs. or more at 30 cts. lb.

LAXTONIAN PEA

J. J. Hoffman, Trumbull Co., O.—“I have received seed from you for two years, and have been very well pleased with them.”

W. J. Cornelius, Elkhart Co., Ind. Your seeds of last Spring gave good satisfaction, and I would thank you for your catalog for 1922.



Potlatch Pea

Extremely Prolific Superb Quality
Dark Green Pods

The magnificent dark green pods, borne in pairs, are 5 to 6 in. long containing 8 to 10 large peas which are exceptionally rich in flavor. The pods are ready at the same time as Stratagem and they come absolutely true to type. One of our finest peas for garden and table use, excellent for private gardens. **Pkt. 15 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.**

Alderman. Has grown in the front rank of all the list of large podded, long-vined Peas and is today recognized as the best in its class by the most exclusive trade in America. Remarkably healthy, vigorous and productive. Vines medium dark-green and very luxuriant in appearance, growing 3 feet. Pods 5 to 5½ in. long, straight, rounded at the point, very dark green in color, well filled, delicious flavor. Pods retain their dark-green color long after picking, making them most desirable for market gardeners. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.**

Carter's Daisy or Dwarf Telephone. Vines heavy, growing 20 in. with green foliage, season medium. Peas wrinkled. Pods 4½ in. long, broad, straight, rounded at the point, pale green in color and well filled, containing 8 and 9 peas. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.**

Telephone. One of the leading large-podded, wrinkled sorts. Pods 5 to 5½ in. long, broad, straight, pointed, well filled with large peas of delicious flavor. The dark-green pods retain their color long after picking. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts., 1 lb.**

Champion of England. Much prized by those who are fond of large, tender, luscious Pea. Vigorous in growth, foliage medium green. Pods 3 in. long, blunt, medium, dark green in color, broad and nearly straight. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts., 1 lb.**

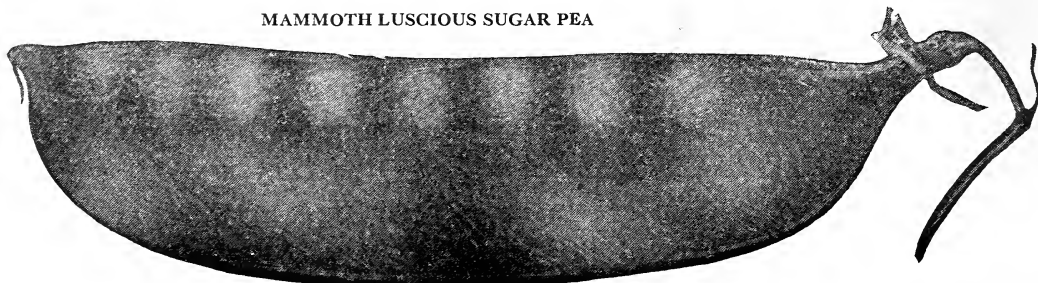
Sugar or Edible-Podded Peas

Mammoth Luscious Sugar. Excels in size and productiveness all edible-podded peas. The vines are most vigorous in growth, attaining a height of six feet, branching freely; when given sufficient support, they are a beautiful sight, covered with violet flowers and thick fleshy pods at different stages of growth. The pods are monster size, measuring 6 to 7 in. in length, by 1 to 1½ in. in breadth. Being of delicious flavor, pods cooked and served like string beans will make a dish that no one would care to pass up. **Pkt. 15 cts., ½ lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.**

Plant Peas every two weeks, also Beans, Carrots, Lettuce, Radishes, etc. Keep the soil well cultivated and you can have not one but a succession of fresh vegetables. There is no reason why the average home garden should not increase its yield three or four times. Make repeated plantings two or three weeks apart.

J. Smith, Cumberland Co., Me.—"I had great success with the peas that I had from you last year."

MAMMOTH LUSCIOUS SUGAR PEA



Ten pound prices do not include transportation



POTLATCH PEA

IMPORTANT NOTICE

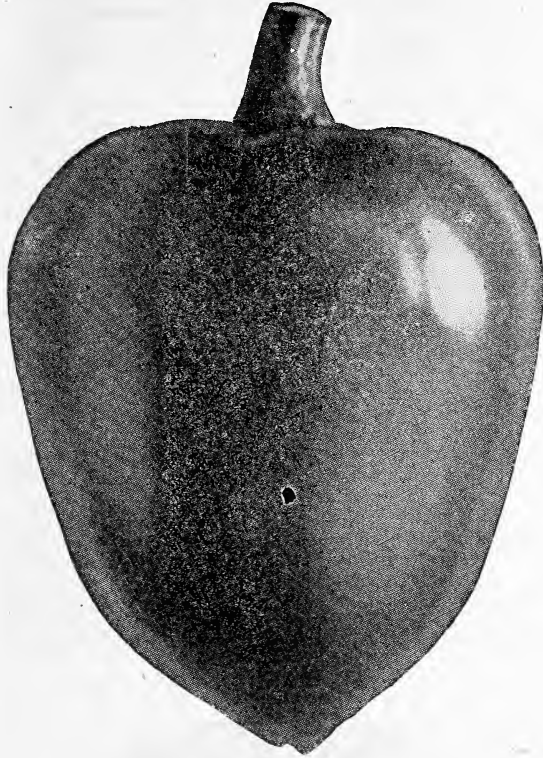
If you are a large market gardener, we will be pleased to have you write stating your wants. We will make you special prices.

Dwarf Grey Sugar. Edible-podded sort and used only in that way. Pods are broad, flat and crooked. Cook pods same as beans. **Pkt. 10 cts., ½ lb. 25 cts. 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.**

Melting Sugar. A standard edible-podded sort; vines tall. Pods cooked and used the same as wax beans. Seed white. **Pkt. 10 cts., ½ lb. 25 cts. 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 35 cts. lb.**

Pepper

Sow the seed in a hotbed or window-box, about March 1st; transplant to the open when all danger from frost is over. Set plants in rows 3 ft. apart, 18 in. in the row. One ounce of seed produces 1,200 plants.



PIMENTO PEPPER
Thick Meat, Sweet and Delicious

Pimento Pepper

Thickest Fleshed of All Peppers—The Solid Meat is Always Sweet

The fruits are rich crimson-scarlet in color, while the form is very distinct, being of regular conical shape, as shown in the illustration. The peppers measure from 2 to 2½ inches across at the stem end and average from 3 to 3½ inches in length. The skin is perfectly smooth, without any ridges. The peppers are never hot in any part of the fruit, even the flesh around the seeds being sweet. The fruits are just the right size for stuffing for individual use.

The plants are 2 to 2½ feet in height, branching freely, and produce a heavy crop. **Pkt. 10 cts., oz. 40 cts., ¼ lb. \$1.10, lb. \$4.00.** Postpaid.

Giant Crimson. (See Page 7). **Pkt. 15 cts., oz. 60 cts., ¼ lb. \$1.75, lb. \$6.00.**

Chinese Giant. Stocky plant with light green foliage and blunt fruit, squared at the ends, measuring 4 inches or more at the top and about as long; of a brilliant glossy red color when ripe. Flesh very thick and sweet, containing few seeds. **Pkt. 15 cts., oz. 60 cts., ¼ lb. \$1.75, lb. \$6.00.**

Holmes' Prolific Sweet

The Wonder Among New Early Peppers

Large, mild, early red Pepper. This wonderful Pepper originated with Mr. Geo. Houser, of Pennsylvania, a well-known market gardener. The strong, vigorous plants grow 2 ft. high, are completely laden with large, handsome fruits, and bear continuously until frost. Plants average from 15 to 20 well developed Peppers. Flesh is bright red; thick meat, sweet and very mild. They carry well and keep in condition a long time. **Pkt. 15 cts., oz. 70 cts., ¼ lb. \$2.00.**

Royal King. While it is a superb sweet pepper for home and market use we want to especially call the attention of the trucker or shipping market gardeners to its regularity of size and shape, making it an exceptionally desirable variety for good packing and fine appearance on arrival in the markets. This will insure its being a top-price seller at all times. This new sweet pepper is an exceptional introduction and will take the place of our popular Ruby King. It is very prolific, bright and glossy, of large size. Taste it raw, stuff it with meat and bake it and fill it with salads for the table; we believe you will like it and agree with us that it is the bell type pepper you have been looking for. We recommend it as the best bell pepper in existence. **Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.35, lb. \$5.00.** Postpaid.

Large Bell or Bull Nose. Plant is compact, early and productive. Fruit bright-red in color, mild, of large size, and has thick flesh containing few seeds. Excellent for stuffing. A good bearer. **Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.**

Ruby King. Is the most popular large red Pepper. Plants grow 2 ft. high and bear a fine crop of handsome, extra-large scarlet fruits, 5 inches long and 3 inches thick. The flesh is sweet, fine for mangoes. **Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.**

Golden Dawn. Similar to the Large Bell or Bull Nose, excepting that it is golden yellow, and very sweet. **Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.35, lb. \$5.00.**

Long, Red Cayenne. A large hot pepper. These are five inches long, color bright red. Very popular for gardeners who want a sharp pepper. **Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.**

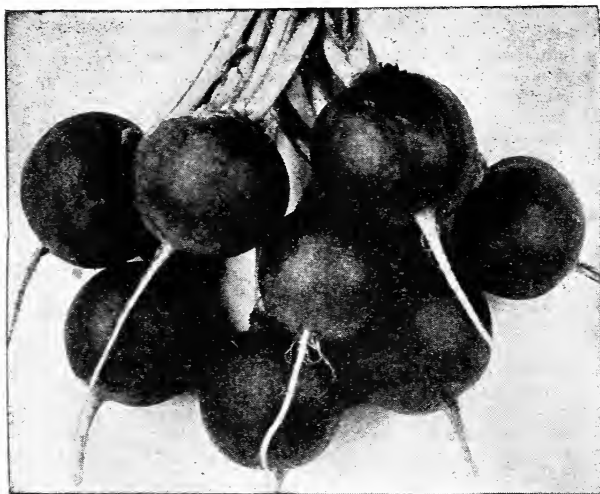
**LONG RED
CAYENNE
PEPPER**



One-third
Natural Size
HOLMES' PROLIFIC SWEET PEPPER

Radishes

Thrive best in light sandy loam. For early use, sow in the hotbed, in Feb., giving plenty of ventilation, or outside in the garden, in drills, as soon as the soil is warm and dry. Cover the seed about $\frac{1}{2}$ inch deep. Radishes can be sown any time from March till Sept. They must grow rapidly to be crisp, mild flavored and tender. One ounce of seed will plant 100 feet of row; ten to twelve lbs. for an acre. Our Radish Seed is strictly of the finest grade, being grown from carefully selected and transplanted roots.



ROYAL RED FORCING RADISH
Earliest Red for Under Glass or Outdoor

Crimson Giant

Should have been named the "Ever Ready." Impossible to imagine a market-gardener even attempting to do without this splendid Radish. Within a few days as early as the extra-early varieties, and has the important characteristic of never becoming pithy, no matter how large it is allowed to grow. Grows up to about four times the size and weight of any of the turnip varieties, and the flesh remains remarkably sweet and brittle throughout. It has a splendid color, being deep crimson, which makes it absolutely the most attractive Radish for the dealer. While it has a tendency to vary in shape, we are prepared to give our customers a very fine and uniform strain of this most excellent Radish, good either for forcing or for open ground. For open-ground culture it has the particular quality of withstanding droughts to a remarkable degree, Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts., 10 lbs. \$7.50.

H. W. Kellur, Flint, Michigan.—"The Crimson Giant Radishes were the best I ever tasted, and the other seed grewed better than usual, and I hope to be situated to give you an order next year."

Non Plus Ultra or Early Deep Scarlet Turnip Forcing.

This variety has a small top and is early in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other early variety. They are small, globular, smooth, very deep red in color; flesh is white, crisp, tender and mild in flavor. May be planted very closely, owing to their small top. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

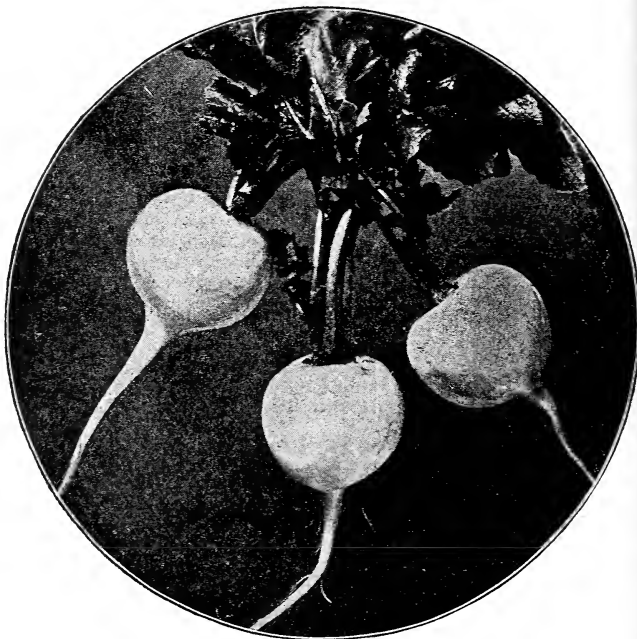
French Breakfast. Color bright carmine with clear white in the lower portion. Very tender and mild. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Early Scarlet Turnip. Extra early sort, with smooth, round, richly-colored roots. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Royal Red Forcing—Earliest Red

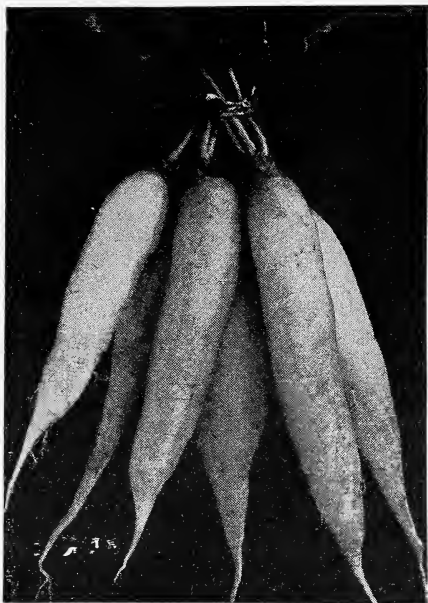
For under glass and outside we have invariably found Royal Red Forcing to reach a marketable size several days earlier than any other variety. The Radishes are perfectly round, three-quarter inch to one inch in diameter. The roots are round or ball shaped rather than turnip shaped. The color is bright deep scarlet with no trace of purple in it. Flesh firm white crisp and mild. Leaves very short and small and only three or four when the radishes are ready for market. Because of its small top, quick maturity and handsome color we consider this the best forcing radish and can recommend it for the open ground. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25 10 lbs. \$10.00. Postpaid.

Early Scarlet Globe. For greenhouse or hotbed forcing and for out-of-doors. Very early, mild, crisp and tender; one of the most attractive, best-selling Radishes. Very handsome, rich, bright scarlet, thoroughly sound, fine quality, a great favorite; it resists heat without becoming pithy, is ready in 25 days. This sort is not desirable for hot summer planting, as it loses its shape—it is an early Radish and as such gives entire satisfaction. We know our Scarlet Globe Radish is right. Scarlet Globe Radish should be planted in every garden for market as well as for home use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts., 10 lbs. \$7.50. Postpaid.



"HOLCO" EARLIEST ROUND WHITE

"Holco" Earliest Round White. An extremely early butter Radish, clear white with very small foliage; earlier than other small white forcing sorts, splendid to plant under glass for out-of-doors. for market. "Holco" Earliest Round White is very crisp, tender, juicy and mild in flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



ICICLE RADISH
"Hard to Beat"

Pearl Forcing. A beautiful pearly white, long variety. It is firm and solid, and remains in shape for some weeks before becoming woody or showing any sign of going to seed. A first-class Radish we can recommend for all purposes. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Long White Vienna, or Lady Finger. An extremely popular sort for years, one of the very best and finest of the long white Radishes. Graceful in form, flavor is sweet and mild, with brittle flesh. An especial favorite with many market gardeners. The demand has largely increased for our selected strain. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Improved Chartiers. Excellent for the home garden. Bright scarlet on the upper part and pure white long tips, the handsomest long red Radish on the market, the best seller; 25 days after planting it is usually ready for the table. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts., 10 lbs. \$7.50.

White Strasburg. White Radish of large size, good quality, and ability to resist severe heat. We recommend White Strasburg for summer planting. Will grow solid, with good flavor, when others fail. Popular with market gardeners. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts., 10 lbs \$7.50

White Chinese or Celestial. Never has a winter Radish won so much favor. The true stock of this variety is stump-rooted, and although a winter radish, can also be grown in late summer; flesh is firm, solid and pure white; keeps all winter in prime conditions; is of mild flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Long Black Spanish. Root cylindrical, from 7 to 10 in. long and 2 to 3 in. in diam; skin very black, somewhat wrinkled; flesh white, firm, compact; keeps well. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Icicle Radish

Finest Long White

Finest and longest of the very early, pure white varieties; ready for use in 20 to 25 days. This Radish is not only crisp and tender when young, but retains these qualities until the roots attain large size, so that it will remain in fine condition longer than any other first-early variety. Is excellently adapted for forcing purposes or successive sowings in the open ground. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts., 10 lbs. \$7.50.

Early White Tipped Scarlet Turnip. For outdoor sowing this is the most important sort on the market—thousands of pounds being annually used. Our stock of this is the best. Handsome bright scarlet color with white tip. Its fine appearance attracts customers, and its quality always pleases. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts., 10 lbs. \$7.50.

Sparkler. A scarlet turnip, white-tipped. Is extremely quick to mature, ready in 20 days from the time of sowing the seed. It is invaluable for forcing under glass, as well as for growth in the open air. The skin is very smooth, its clear color gives it an appetizing appearance on the table. Market-gardeners find it a quick-selling sort, satisfactory in the private or home garden. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Mrs. Guy Portner, Ashland Co., Ohio.—"I have bought my seeds of you for three years, and find they cannot be beaten. Your Sparkler Radish should have a place in every garden. It is the best I have ever tried to raise."

Cincinnati Market

This radish originated in the vicinity of Cincinnati, Ohio, with the "Glass Gardeners" there, and has been constantly used by them. The tops are so small that the Radishes may stand touching each other in the rows. The Cincinnati Market Radish grows perfectly straight and smooth, 6 to 7 in in length. Skin scarlet, very thin, flesh crisp, brittle, of delightful flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts., 10 lbs. \$7.50.

Mixed Radishes

Radishes of all colors—red, pink and white, round, oblong, half-long and long; and from the earliest to the very latest varieties. Just what is wanted for the home garden where the space is limited. One sowing is all that is required for the whole season. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Early Long Scarlet Short-Top

The long, slender, colored roots are most attractive in appearance. They are ready in about 25 days; crisp brittle, of choicest quality. They reach a length of 5 to 6 in., growing half out of the ground. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts., 10 lbs. \$7.50.



CINCINNATI
MARKET RADISH

Winter Radishes

China Rose. A radish of large size, blunt at both ends. Skin is a bright scarlet and the flesh is pure white, firm, crisp and pungent. May be sown up to August, thicker than any other winter radishes. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Round Black Spanish. Root rounded or top shaped from 3 to 4 in. in diam; skin very black; flesh white, of firm texture and very pungent. Keeps a long time. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Rhubarb or Pie Plant

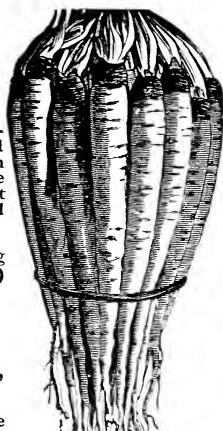
Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the spring, in rows 1 ft. apart; the second year after planting plants can be removed in autumn to the permanent place in the garden allotted to them. Plant the roots 3 to 4 feet apart each way at least 2 ft. deep. One ounce of seed produces 500 plants; $3\frac{1}{2}$ lb. to an acre.

Victoria. Large, tender, the finest cooking sorts. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25. Postpaid.

Rhubarb Roots

Ready from October to May 15. 15 cts. ea., 4 roots for 50 cts., 12 for \$1.25, postpaid.

You do not know how really delicious vegetables are until you gather them fresh from your garden



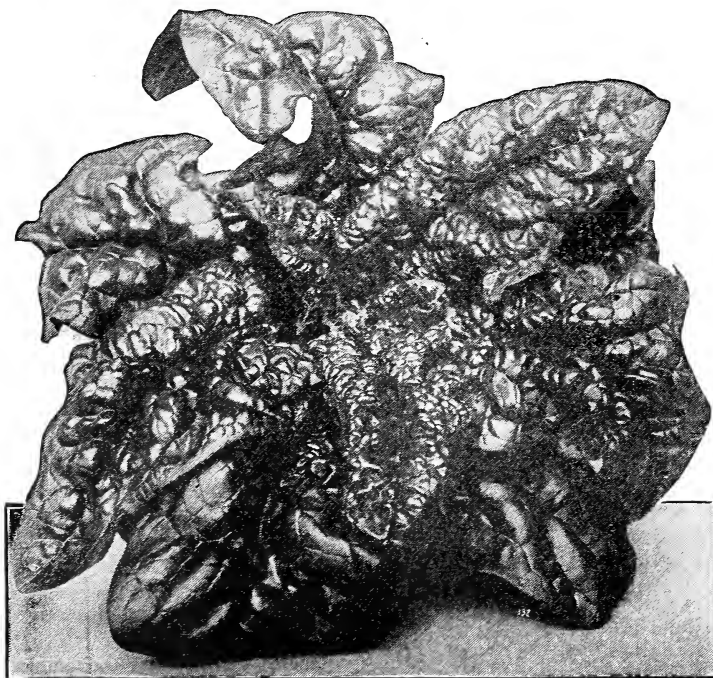
SALSIFY

Spinach

Good rich soil is important to Spinach, both for its growth and in making the leaves more tender and succulent. Sow the seed in early spring in rows 12 inches apart; cover it an inch deep. Many broadcast the seed, covering with a Harrow or rake. Make a sowing very two weeks for continuous crops. Do not sow seed in dry weather; it will never come up. It must have a moist soil. Sow in September for fall and early spring crops. Use straw or "strawy" manure when really cold weather comes. Nitrate of soda is splendid to give rapid growth to Spinach. One ounce will plant a row 100 feet long; 10 pounds to the acre when drilled, 15 to 25 pounds broadcast.

Norfolk Savoy-Leaved (*Bloodsdaile*)

[This is a very early variety and one of the best to plant in autumn for early spring use. The plant is of upright growth, with thick, glossy, dark green leaves of medium size, pointed but quite broad, and crumpled or blistered like those of Savoy cabbage. It is hardy and grows rapidly to a suitable size for use, but runs to seed quickly in warm weather. This spinach is suitable for the home garden and is much used by southern truckers. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 15 cts. lb. 40 cts.



LONG SEASON SPINACH

Salsify or Vegetable Oyster

Treat about the same as carrot, except that Salsify is hardier, may be left in the ground all winter. Sow in rows 1 to $1\frac{1}{2}$ ft. apart, and thin to 4 in. in the row. Cover seed about 1 in. Sow in early spring. One ounce to 100 feet of row, eight to ten pounds to the acre.

Mammoth Sandwich Island. Roots much heavier than the old Long White. Is white in color, and a satisfactory sort in every way. Invaluable to market-gardeners. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75. Postpaid.

Improved Thick-Leaved. One of the largest and best sorts for spring and fall sowing and to winter over for spring crop. Leaves are broad, hug the ground closely, are slightly crumpled, attractive in color. Plant is large and produces a big crop. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts.

Long Season. Is low growing plant. This Spinach withstands hot weather longer than other kinds. The plant is small, but does not wilt or run to seed as quickly as other sorts. The leaves are thick, tender and fine when cooked. Color a beautiful dark green. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts.

Victoria. A handsome variety of exceedingly dark green, broad thick leaves, and has very long-standing qualities. Unexcelled for spring or fall sowing. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts.

Long Standing. For spring planting. Leaves large, thick, fleshy and crumpled. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts.

Prickly Winter. For late planting or very cool locations, an excellent variety. Pkt. 10 cts. oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is an enormous yielder, growing upright. One sowing can be picked from, the entire summer. A very distinct variety. Soak seed in water twenty-four hours, before planting. Pkt 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Squashes

Culture same as for melons. Make the ground very rich. A good sandy loam is best. The squashes are all tender, and the seed should not be planted until warm weather. Allow 4 x 4 ft. for the hills of the Bush Squashes, and 8 x 8 ft. for the running varieties. Four plants to the hill 3 to 4 lbs. of seed to the acre. For summer Squashes estimate 4 oz. to 100 hills; for winter Squashes 8 oz. to 100 hills; one ounce for 100 feet row.

Summer Varieties *Eat When Young*

Giant Summer Crookneck. One of the best of all summer Squashes. Of dwarf, bushy habit, very productive. Skin is yellow. Flesh has a deep golden yellow color, is dry and of most agreeable flavor. This is, in fact, most highly esteemed of all the summer varieties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50. Postpaid.

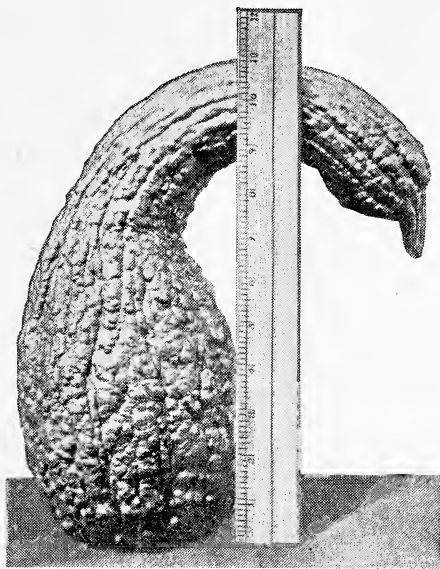
Earliest White Bush. Bush or patty pan Squashes are earlier than any other summer variety. Skin is white and tender when ready for use. Of dwarf, bushy habit, quite hardy, very productive. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25. Postpaid.

Italian Vegetable Marrow. (Cocozella di Napoli) The vines are of bush habit and produce large, much elongated fruits, dark green at first but as they mature becoming marbled with yellow and lighter green in stripes. The fruits are in best condition for the table when six or eight inches long, but can be used when somewhat larger. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Autumn and Winter Varieties

Improved Hubbard

The illustration is a very accurate representation of our Improved or Green Hubbard. Our stock of this variety, which has so long been the leading squash for late fall and winter use, is carefully selected in regard to quality of the flesh and color of the shell and we have found it much superior to that sold as Chicago Warted or Warty Hubbard. Fruits are large and heavy, are moderately warted and have a very hard shell. Skin is uniformly dark bronze-green. Flesh is bright orange-yellow, fine grained, thick, dry and deliciously flavored. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.



GIANT SUMMER CROCKNECK SQUASH

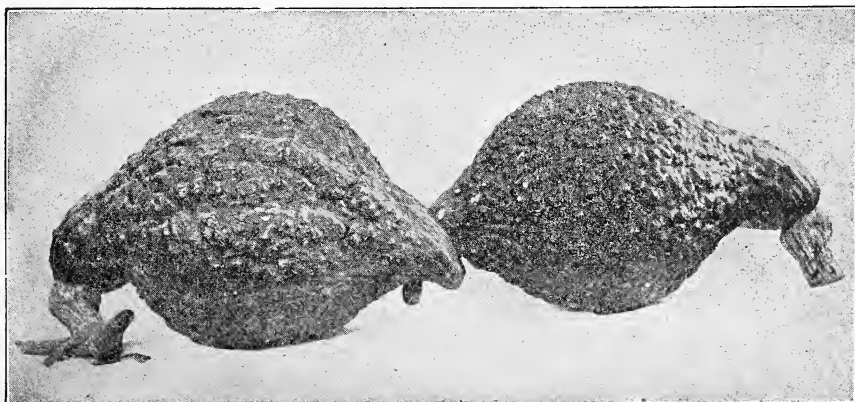
Red or Golden Hubbard. Has the shape and virtues of the Hubbard, but earlier and more productive. Color of the skin deep yellow or orange-red. Flesh richer in color than Hubbard, of equal quality. Fine grained and sweet. Cooks dry, a splendid keeper. Desirable market sort. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50. Postpaid.

Delicious. The squashes, vary both in color and form but are very delicious in flavor, excellent winter keepers. Flesh is dark orange, very thick and fine grained. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75. Postpaid.

Fordhook. Flesh is very dry and sweet. One of the best of the late summer varieties. The outside color is creamy yellow when cooked is of most delicious flavor. The meat is thick and can be used at any stage of growth. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, postpaid.

To keep Winter Squashes, store in a dry, well-ventilated room where frost will not touch them. Putting them one deep on shelves is a good way; also be sure not to break the stem off close to the squash.

J. N. Mumford, Columbiana Co., O.—Being so well pleased with the seeds I had from you last year, I would be pleased to have your catalog this season, also your prices on Seed Potatoes.



IMPROVED HUBBARD SQUASH
A long keeping winter sort and splendid for pies

Tobacco

Sow seed as soon as danger of frost is over; use wood ashes on seed bed. Pulverize soil of seed bed thoroughly. When plants are 6 in. high transplant into hills 4 or 5 ft. apart each way, and cultivate frequently. An ounce of seed produces sufficient plants for an acre.

Connecticut Seed Leaf. Grown in all sections of the U. S. Broad leaf of medium length. Suitable for cigar fillers. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$6.00, postpaid.

Improved White Burley. A great favorite, superior to the old variety of Burley. Makes better color; commands higher prices. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80, lb. \$6.00 postpaid.

Havana. The leaf is very thin and is of fine texture. The variety is much used for cigar wrappers. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.95, lb. \$6.45 postpaid.

Tomato

Sow the seed in February or March in a hotbed, greenhouse or in shallow boxes in the house, in rows 4 to 6 inches apart, one inch deep. When plants are about 2 inches high, transplant to shallow boxes 4 inches apart each way. Transplant in the open ground after all danger of frost is past, 3 to 4 feet apart each way. Cultivate frequently. Train the plants to stakes or other supports. Remove all side branches at the axil of the leaves as soon as they appear. Do not remove flower clusters. When plant has reached a height of 5 feet, cut off the top. When three or four clusters of fruit have formed and some of the fruit is as large as a silver dollar, prune the leaves at the base one-half. This hastens ripening. Once a month apply sheep manure around each plant. One ounce of seed will produce 3,500 plants, enough for an acre. 35 to 40 plants for 100 feet of row.



GARLAND TOMATO

A splendid sort for all purposes.

John Baer. An invaluable sort for market gardener's use. Very hardy and exceptionally productive. Fruits are the largest of the extra early sorts and are also most attractive red color. They are nearly round, smooth, firm and of excellent quality. It is one of the very earliest to ripen its first fruits and it continues to furnish marketable fruits much longer than other very early varieties. An invaluable sort for market gardeners' use. Our seed is grown from originator's stock. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Earliana Spark's. The earliest red tomato. The vines are compact in growth, with short close-jointed branches, very productive. Fruit fair size and firm. Ripened fruit in 108 days from date of sowing seed. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Chalk's Early Jewel. Second or medium early sort. Later than Earliana. Vines vigorous, productive. Fruit solid, without hard core. Color bright scarlet. A sort having great merit. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Bonny Best. (See description page 5). Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

June Pink. Originated in New Jersey. This variety is a pink-fruited Earliana, resembling that tomato in almost every respect. The stock we have may be relied upon. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Garland Tomato

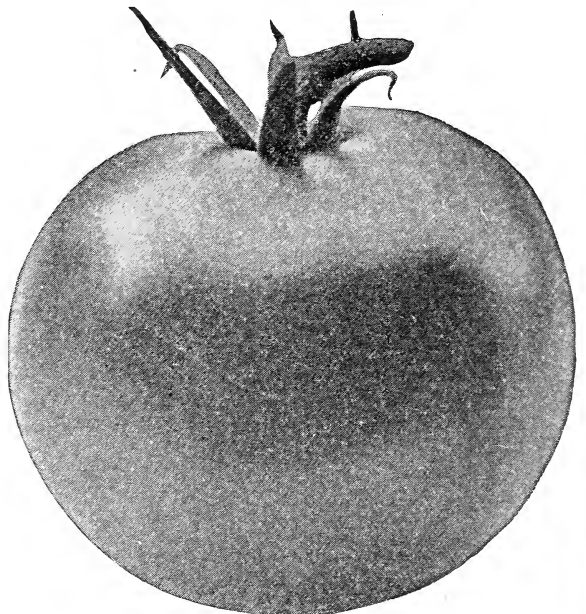
The Largest, Heaviest Cropper, Smoothest and Finest Flavored, Extra Early Red Tomato

This wonderful tomato originated in the state of Wisconsin, where it has been grown for several years.

We cannot give you a better description of this tomato than what our grower claims for it: "It is as early as John Baer or Bonny Best, it produces one-third more and does not crack, which is a very important matter, keeps its size well through the growing season, being a continuous bearer, and excellent shipper. This season my last picking was of good size, after having picked from the vines for more than two months. In a test alongside of John Baer and Bonny Best, handled exactly the same, it yielded fully one-third more and the fruit was larger and freer from cracks. It is an excellent bearer, as good as any tomato that I know of, and I have tried most all kinds that are cultivated at the present time."

In our own test alongside of John Baer and Bonny Best, we have found that it did just as the originator said it did. We are confident that this tomato is worthy of a trial in every garden and truck patch. Pkt. 20 cts., $\frac{1}{4}$ oz. (about 2,000 seeds) 40 cts., oz. \$1.10, $\frac{1}{4}$ lb. \$3.50 (crop short).

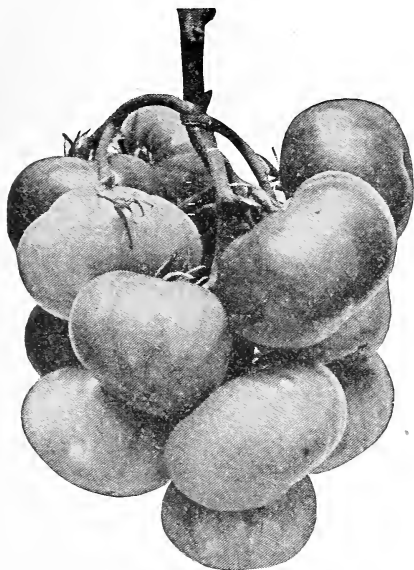
L. R. Mott, Chenango Co., N. Y.—"The Garland Tomato which I purchased from you was all that was claimed for it in your catalog. The fruit was of nice color and very smooth; in fact, this tomato gave as good satisfaction as any I have tried. I had some other seeds, and they all grew good, and in fact, produced results just as satisfactory as those obtained from seeds which cost more than the ones purchased from you. As far as I am concerned, 'Holco' seeds are good enough for me!"



JOHN BAER TOMATO

Smooth, Rich Red Color and Flavor

Don't be misled by a cheap price on tomato seed which, probably has been saved from the refuse of a catsup factory. All our Tomato Seed is specially grown and selected for earliness and yield, etc., in the field. To buy Holco grown Seed WILL PAY YOU.



HOLMES' EVERBEARING TOMATOES
Grown from Pure Bred Seed.

Ponderosa

Introduced many years ago, in all that time no Tomato has ever surpassed the genuine Ponderosa in size or delicious meaty flavor. Largest, heaviest Tomato grown. Color is purplish pink; shape quite regular considering its size. Fruit ripens early, bears well until very late. Good Tomato for home use. We offer the genuine headquarters stock. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Yellow Ponderosa. Equals the Ponderosa in size but bears rich golden yellow fruits. Golden Ponderosa possesses all qualities that made Red Ponderosa most talked of Tomato throughout the land. Originated as a sport from the Red Ponderosa, comes remarkably true. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Livingston's Globe. Second-early Tomato, and is becoming one of the main varieties grown by the leading Tomato growers because it has never shown any tendency to blight. In shape it is a beautiful globe, which permits a greater number of slices to be made. Always smooth, firm-fleshed and has very few seeds; ripens evenly. Color a fine glossy pink, tinged with purple. Bears fruit in clusters of from 3 to 7; the plants are literally loaded with beautiful Tomatoes. Of special value to all shippers. Valuable variety for forcing under glass. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Matchless. Skin is so tough that it is a splendid keeper and shipper, is less liable to crack in wet weather than any other large Tomato. Fruit, bright red, is free from core, seed-spaces are small. Leaves are of a rich dark green, very luxuriant, indicating great vigor, giving the plant ability to produce fruit of the largest size throughout the entire season. We can highly recommend it to all our friends, especially to those who are running market gardens. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.85.

Stone. Many gardeners and canners will have no other. A large variety, larger than several of the standard kinds cultivated. An immense cropper. Flesh solid, well colored and flavored. Ripens between the early and late varieties, grows vigorously, and no variety holds its size better late in the season. Color of skin, glossy, deep red. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.85.

Golden Queen. Bright yellow. Best large yellow Tomato; always smooth, ripens early; quality excellent in all respects, either for slicing or preserving. Queen of the yellows. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Holmes' Everbearing Tomato

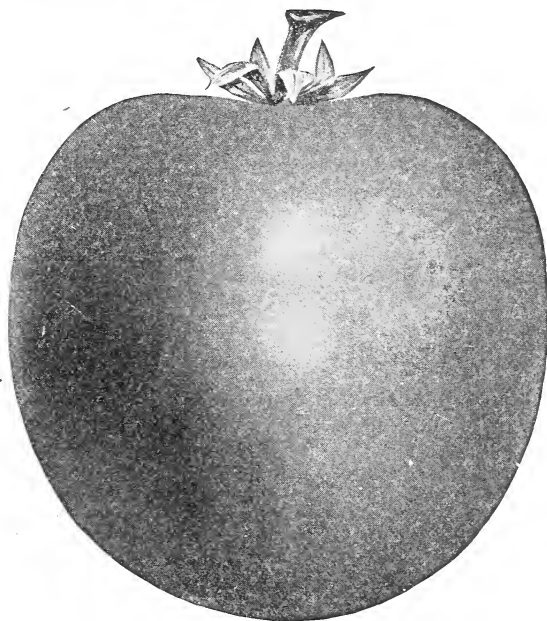
The Earliest, Largest, Most Prolific and Meatiest Red Tomato Grown

Wonderfully prolific new Tomato. Illustration is from a photograph of one stem bearing 17 fine, large fruits, and weighing $7\frac{3}{4}$ lbs. Clusters average 15 fine, large red or scarlet Tomatoes, and the beauty of it is, that all run about the same size, absolutely free from the acid taste so common in most varieties. Seed-cavities are exceedingly small, we believe it to be the meatiest Tomato grown. This Tomato combines all the good qualities of each parent—earliness of the Earliana, size from Ponderosa. When cut by the frost there is still plenty of green fruit on them. Originator's own stock. Pkt. 20 cts., $\frac{1}{4}$ oz. (about 2,000 seeds) 50 cts., oz. \$1.50.

Early Detroit. Vines vigorous, productive; fruit round or nearly globe shaped, firm, purplish-pink in color. Ripens with Chalk's Early Jewel, a splendid second early variety. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Beauty. Vines large, vigorous, heavy bearers; fruit large, uniform in size, very smooth, excellent flavor, color purplish-pink. The best purple sort. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.85.

Dwarf Champion or Tree Tomato. Has a stiff, vigorous, upright growth; the fruit is always round, smooth, symmetrical; color purplish pink; size medium. A good shipper. Plants may be set 3 ft. apart in rows 4 ft. apart. One of the earliest, most profitable Tomatoes grown. The dark green, wrinkled leaves speak a strong type. One of the best of the so-called Tree Tomatoes. A valuable home or market sort. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$3.00.



LIVINGSTON'S GLOBE TOMATO

Pear-Shaped Red. Bright red. Fruit small, pear-shaped, about size of plum. Ripens early. Used for pickling and preserving. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$5.00.

Pear-Shaped Yellow. Bright yellow. A small early Tomato, similar to Pear-Shaped Red, except in color. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$5.00.

Strawberry, or Husk Tomato—Known as Ground Cherry. Plants of low-spreading growth and immensely productive. The small yellow fruits are each inclosed in a husk. Of very sweet flavor; highly esteemed for preserving or making pies. They are also excellent to eat raw as fruit. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$5.00.

Turnips

Sow early varieties in April, in drills 18 to 20 in. apart. Cover seed $\frac{1}{2}$ in. and thin out to 4 to 6 in. in the row. Cultivate frequently. For succession, sow at intervals until the last week in May. For fall and winter crop, sow in July or August, in drills or broadcast. One ounce to 200 feet of row; one and a half pounds to the acre in drills, or two and a half pounds broadcast.

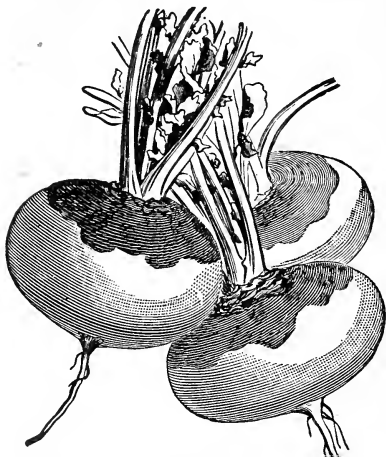
Purple-Top White Globe

A large rapid-growing sort, with globe-shaped roots. Flesh pure white, and the best flavored; the skin is white, with a purple top. On account of its shape it will outyield any other sort. A strictly first-class strain. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 50 cts.

Purple Top Strap Leaf. One of the best table and stock Turnips on the market, being fine-grained, never stringy and of mild flavor. Is white below, with a bright purple top; flesh white, leaves short, narrow and erect. Will mature in 8 or 9 weeks. Good cropper and an excellent keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 50 cts.

White Globe. This great Turnip in rich ground will attain a weight of 12 pounds. Shape of root the same as Red or Purple-Top White Globe. Skin and flesh pure white; smooth, quick to mature. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 50 cts.,

Cow Horn. A long white Turnip. Grows to a large size, standing half out of the ground. Is fine-flavored, desirable. Cow Horn Turnip sown in connection with rape is one of the newly recommended things for green manuring purposes. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.



PURPLE-TOP STRAP LEAF TURNIP

Early White Milan. This variety is remarkably early. The tops are very small, strap leaved, upright and compact, so that rows can be planted close together. The roots are clear white, very smooth, flat and are of best quality when only about 2 in. in diameter. The flesh is clear white, mild, sweet and tender. Very desirable for early use, especially for forcing. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Purple-Top Milan. Similar to Extra Early White Milan, except that the roots are a little flatter and an attractive purple-red on the upper portion. Well adapted for forcing. All in all, Milan Turnips leave nothing more to be desired in the way of an extra early garden turnip. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

White Egg. An early, oval or egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The tops are small with leaves distinctly cut. The flesh is clear white, firm, fine grained and sweet. The roots of this quick growing garden sort when in best condition for use are usually about 2 in. in diameter and about $3\frac{1}{2}$ in. long. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Large Amber Globe. One of the best yellow-fleshed varieties, grown usually for stock feeding. The roots are of large size and of globular shape. The skin is clear yellow except the top which is tinged with green. The flesh is light yellow, fine grained and sweet. The variety keeps well and is a good cropper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Ruta-bagas or Swede

Does best on new land, or light, sandy soil. Sow the seed from the latter part of June until August in drills 15 to 24 in. apart. Cover seed $\frac{1}{2}$ in., and thin out to 6 to 8 in. in the rows. Cultivate frequently. Can be sown broadcast. One ounce to 200 ft. of drill; $1\frac{1}{2}$ lbs. to the acre in drills, or $2\frac{1}{2}$ lbs. broadcast.

American Purple Top Yellow

The finest, most profitable of all the Swede Turnips, being the hardest, heaviest, best shaped and most productive. The roots are better keepers than other sorts. The flesh is of a beautiful yellow; of the choicest quality, full of nourishment. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Herbs

Every kitchen garden should have a few Herbs. They are usually grown for flavoring, perfuming and medicinal purposes. Sow in early spring, at the time when the trees begin to leaf, in ordinarily good and well-drained garden soil, in rows 12 to 24 in. apart. Cover seed lightly. Thin or transplant to stand 6 to 12 in. apart in the rows. Cultivate frequently. Ready to use in 30 to 50 days. Herbs marked * are annual; marked † are perennial.

	Pkt.	Oz.	$\frac{1}{4}$ lb.		Pkt.	Oz.	$\frac{1}{4}$ lb.
*Anise.....	\$0.10	\$0.25	\$0.60	†Lavender.....	\$0.10	\$0.40	\$
†Caraway.....	.10	.25		*Marjoram; Sweet.....	.10	.60	1.10
*Coriander.....	.10	.25	.60	†Sage.....	.10	.60	1.00
*Dill.....	.10	.20	.50	*Summer Savory.....	.15	.50	
†Fennel, Sweet.....	.10	.25	.50	†Thyme.....	.15	1.00	
†Horehound.....	.10	.25	.75	†Winter Savory.....	.15		

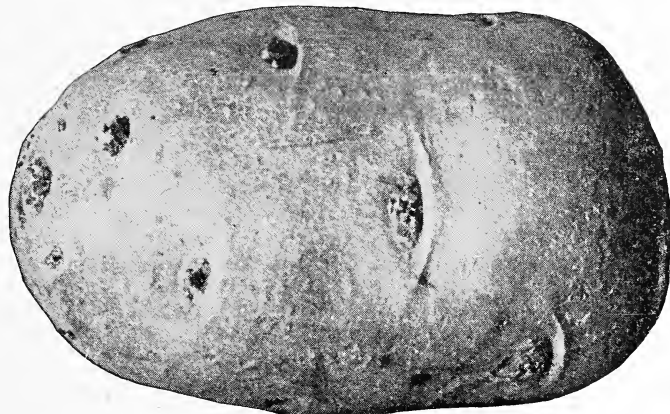
Samuel Hardy, Milaca, Minn.—“I received a crop from all the seeds I sowed this year and was well pleased with the returns. It was a bad year here on account of the heat and drouth, yet everything did well. Had some fine Tomatoes from Spark's Earliana. The Queen's Golden Pop Corn pops although it did not get quite ripe, and has a fine flavor. I am going to plant some more this year. I am well satisfied with the seeds I received from you and shall order from you next year.

Northern Grown Seed Potatoes

All our potatoes are grown especially for us in the best seed potato producing sections of the North—The best selected seed stock obtainable. Seed specialists agree that northern grown potatoes will stand more unfavorable weather and mature earlier crops than southern stock.

Healthy and Vigorous Seed Makes Profitable Yields To the growing and selection of seed potatoes we have given a great deal of time and attention, and feel sure we are in a position to properly advise our customers as to the best varieties to plant. We do not list or recommend a new variety until it has been field tested and the new strain demonstrated to our satisfaction that it will make a profitable yield, and is of superior quality.

A Change of Seed From one soil to another often doubles the yield, and improves the quality of the potatoes. Don't plant that old worn out seed any longer, but get something new and saleable.



IMPROVED EARLY OHIO POTATOES

Improved Early Ohio. The old reliable Early Ohio. Not run out seed but clean pure stock of a high yielding strain. This variety can always be depended on in almost every locality, and is grown throughout the country where an early variety is desired. Tubers of light pink color and white flesh. (*Write for our potato price list before ordering.*)

Early Six Weeks. Another very early and fine quality potato. For those wanting a strain for early home and market use we urge a planting of the Early Six Weeks. The tubers are medium to large in size, oval shape, reddish color with shallow eyes. A very good keeper. We advise early orders while our stock is complete if you desire this variety. (*Write for our price list.*)

Early Rose. The good qualities of this potato will always make it a favorite for an early variety. For quality and size the Early Rose is hard to beat and we can supply the best of seed of this standard potato.

Biss Triumph. This variety is the first to come on the market from the southern growers who only plant northern grown seed such as we have. The tuber is round, medium size, reddish pink color. (*Get our price list before ordering.*)

Write for Seed Potato Price List.

GOOD REASONS why you should purchase "Holco" Pure-Bred Seed Potatoes.

(1) They are northern grown and quick maturing.

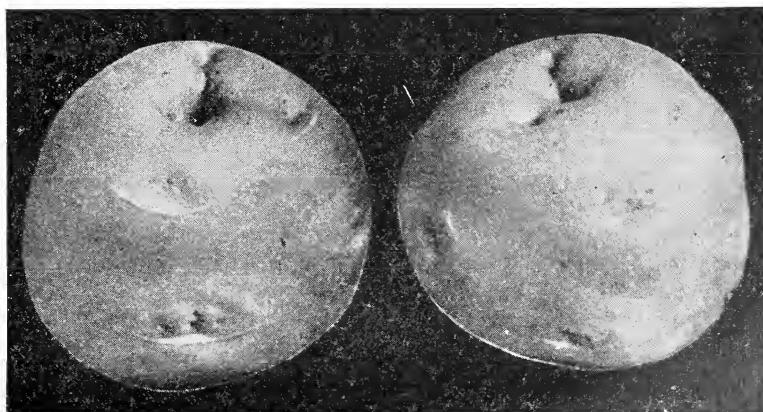
(2) They are grown on virgin soil, and free from blight.

(3) They are free from disease and varietal mixtures, giving larger yields and uniform maturities.

Eureka Extra Early. An extremely early and quick maturing variety. A heavy cropper of big white potatoes. We can especially recommend this new variety as being one of the best of the new introductions. It seldom fails to produce the largest crop of extra early potatoes. The plant is dwarf and compact and very resistant to blight. Tubers are round, white and fine cooker of unsurpassed quality. We have yet to hear of single complaint as to this variety and advise a trial of the Eureka by every one who wants an extra early crop. (*Write for Prices.*)

T. E. Geipe, Mahoning Co., O.—"Last spring was not favorable for potatoes here, but had Eureka's nine inches in circumference, in 60 days, and that is good enough for me"

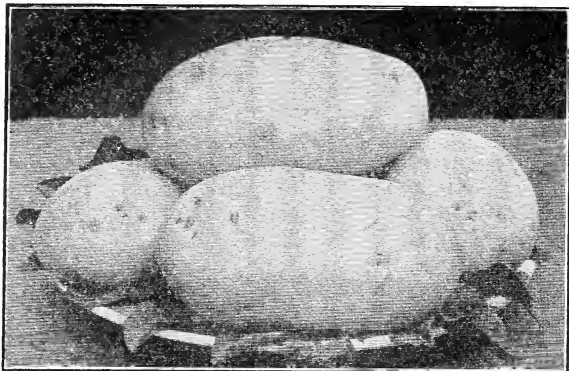
Irish Cobbler. This world famous potato always commands a high price. It is a creamy white, nearly round in shape, and very even in size. Ripens very evenly. A little later than Ohio, but a heavier yielder. Very close planting is possible because of the upright vine growth. This stock is far above the ordinary run, and we are very fortunate to be able to offer such excellent quality. (*Write for our potato price list.*)



IRISH COBBLER POTATOES

Northern Grown Seed Potatoes

Our Seed Potatoes are always sold by weight. By a bushel we always mean 60 pounds, and a sack means 2½ bushels or 150 pounds, net.



IMPROVED GREEN MOUNTAIN POTATOES

Rural New Yorker The standard late and main crop potato for all sections. Always a reliable variety for the main crop and a heavy yielder. Tubers are round and oval in size, skin white. One of the best and longest keepers. Pure Northern Grown Seed. (Write for current price list.)

Carman No. 3. A round white potato of the Rural type and closely resembling it in yield and quality. The Carman is a heavy yielder and good table potato. We have clean pure stock all northern grown. Write for current price list.

Save Your Potato Crop

From Our Own Practical Experience in the Growing of Seed Potatoes

For Bugs—Use either Arsenate of Lead, or Calcium Arsenate. One-two lbs. in 50 gal. water.

For Blight—The Bordeaux mixture or copper solution is the only preventive if applied early and often. Follow directions.

For Bugs and Blight—We usually spray for both in one operation by adding the Arsenical Poison to the Bordeaux Mixture. Pyrox and Pestroy are ready mixed, and very effective. Follow directions on container.

Flea Beetles—The small black bugs which eat small holes in the foliage. Can be controlled by spraying often with Bordeaux Mixture.

Leaf Hoppers.—For these small green aphids or plant lice we use "Black Leaf 40" mixed about one-third stronger than directions. Can be used separate or added to other spray solutions.

Success from spraying depends on spraying early, using plenty of material, and using a good pump which produces a fine mist spray.

Late or Main Crop Varieties

Green Mountain. Medium late in season, vines dying down early in fall. The best for loose and muck soils, and especially adapted for Northern States. Gives big crops, not alone because of productiveness but because compact vines allow close planting and cultivation. Potatoes in a hill always large and well shaped, with seldom any small ones. Skin creamy white, a little russeted—and fine quality for cooking. Flesh white and flaky. Shallow eyes prevent waste. Potatoes are flattened (easy to cook) and round to oblong in shape. Write for potato price list.

Russet "Holco." The best for Main Crop in cultivation. We have found the Russet the most disease-resistant of any sort, and our customers have stated that "Holco" Russet was blight-proof while other sorts were blighted and died in adjoining fields.

The vines are dark green in color; very robust in habit of growth. The tubers are round to oblong in shape, of good size with pure white flesh, and covered with a russet skin, few and shallow eyes, of a quality, either baked or boiled, that cannot be excelled. Customers have written us that they have outyielded all other sorts. We can recommend the "Holco" Russet for planting in clay and clay loam soil. We have a splendid crop of nice, northern grown medium, sized tubers. (Write for price list.)

The quality of the Seed you plant will be making your garden's success or failure months after the cost is forgotten.

Jersey Seed Sweet Potatoes

We can supply you from our grower in the great sweet potato belt the choicest and best of seed.

Red and Yellow Nansemonds, also Southern Yams. Write for price list on pound and hamper lots.

Choice Sweet Potato Plants

For the best, early extra fine strain of Jersey Sweet Potato Plants, let us fill your order for any quantity desired. Ready about May 1st.

Doz. 15 cts., per 100, 75 cts., 1,000, \$5.00. If plants are to be sent Parcel Post, add postage. 10 cts. per 100

Order Early

We do not hesitate to advise our customers to place their orders early as good seed stock will be sure to be higher at planting time, and those who order early while present stock is unsold will be sure to get choice stock and pure seed. Price of Potatoes subject to change. Write for current prices list before buying.

J. A. Haas, Portage Co., O.—"Received your seeds in fine condition, and would like at your earliest shipment 3 pks. of Improved Green Mountain Potatoes!"

Ohio Grown Seed Corn

It Pays to Plant Tested and Acclimated Seed

As growers of seed corn, we are in a position to furnish you with seed corn that we know to be right in every particular. We know what our seed does on our own farms and that it is grown right, selected carefully, cured properly and graded as you would want it. The vitality of our seed corn is strong and vigorous, and you can depend upon our test as being accurate and reliable. If you are in doubt as to the variety best suited to your needs, we want you to feel free to write us for further information and samples of kernels for inspection or test.

Reliable Northern Grown Varieties of Corn

Clarage

Originated in Ohio, some years ago, has been improved by selecting larger and longer ears. It is a heavy yielder and will ripen in the most unfavorable seasons. It is adapted to either clay or black ground. It makes solid showy corn and will mature in 100 days or less. Ear medium size, deep grain and producing a medium tall fodder. The cob is small. Many men who have tried it claim that they can depend on it to get a crop. Price, sample ear 25 cts. postpaid. (*Write for price list of Seed Corn.*)

Early Smoky Dent

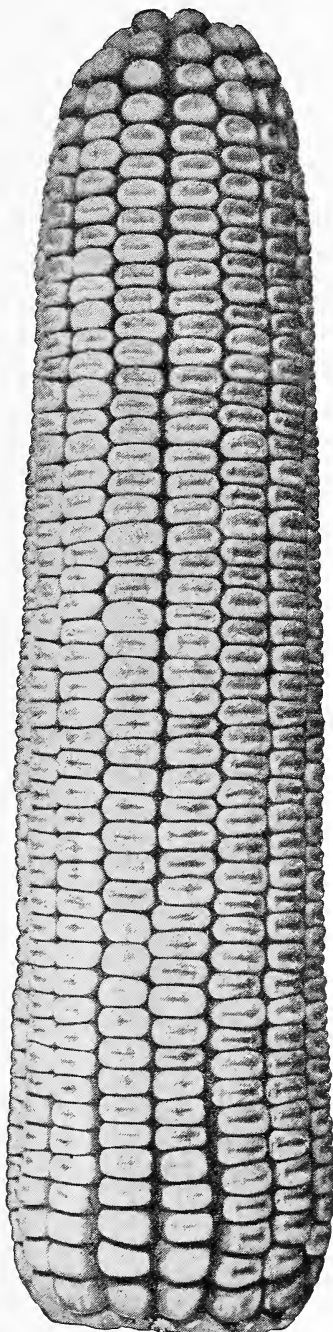
With all confidence based on experience and testimonials from trials carried on for the past four years, we offer for the first time this pure bred corn. It is the earliest Dent Corn in cultivation today, an excellent yielder and entirely free from disease. It is a strong, quick grower, with nice leafy stalk seven to eight feet tall carrying two well developed ears. Ears measure eight to ten inches with twelve to sixteen rows. It will mature in Canada, New York and Vermont with an early flint corn. A field planted May 13, 1921, in Huron County, eleven miles from Lake Erie matured in 78 days. As a hardy, vigorous sort, Early Smoky Dent has no equal. Sample Ear 25 cts., postpaid. (*Write for Seed Corn Price List.*)

Pride of the North. A 100-day Yellow variety. Strong, hardy, vigorous grower; can be planted thickly and still make good-sized ears. For husking crop it ripens early, dries out quickly and is an all-round, very satisfactory kind. It has a bright red cob, ears medium size, with deep kernels. Many of the stalks have two good ears. Sample ear 25 cts. postpaid. (*Write for prices on Seed Corn.*)

White Cap Yellow Dent. Produces ears of corn that have a white appearance on the outside but the sides of the grains are yellow. The White Cap here offered, makes long ears. This is a marked characteristic of the variety. It does not need an extremely rich soil. It will even do comparatively well on soils counted as not fertile. The ears are not so thick, running from 14 to 20 rows of grains. The grains are of average depth. Matures in 100 days and earlier. Sample ear 25 cts., postpaid. (*Write for price list on Seed Corn.*)

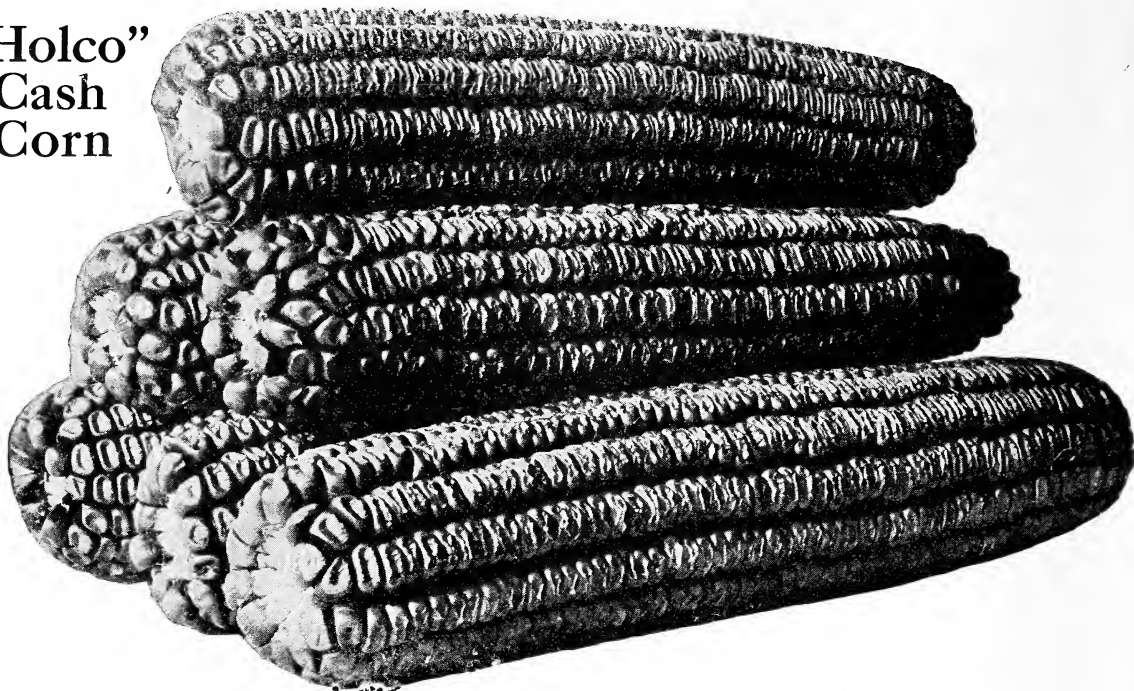
Early Golden Surprise. A 100-110 day Yellow Dent Corn. Large, handsome ears. A heavy yielder. Entirely distinct. Stalks short and strong. Deep grained. Small Cob. A great feeding Corn. Beautiful in its rich golden color, even size from butt to tip of the ear. Profitable in its depth of grain and small percentage of waste in cob. Convenient in its short fodder growth and easy break of ear from the stalk. Certain in its early maturity, Sample ear 25 cts., postpaid. (*Write for our price list on Seed Corn.*)

Reid's Yellow Dent. A very popular yellow dent corn in the Great Central Corn Belt. Does well in Ohio. It is a true Dent Corn, color a beautiful golden yellow. Reid's Yellow Dent is of medium early maturity and years of selection has made it very uniform in appearance. Our corn is one of the best bred, and we can recommend it to any one needing a medium early, high-yielding corn. Sample ear 25 cts., postpaid. (*Write for corn price list.*)



CLARAGE

"Holco" Cash Corn



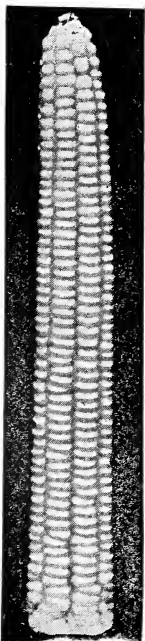
"Holco" Cash early to mature and a yielder of finest ears. "Holco" Cash Corn, deep grained, yellow, the smallest cob of any variety known. The ears are large, well filled at the butt and tip ends, with beautifully formed deep grains. This corn is, without doubt, the best feeding corn in existence. Matures in about 95 to 100 days. It certainly is an ideal corn. Everyone that sees it will buy it for seed. It is with a great deal of pride and satisfaction that we offer this new corn to our customers. Our grower has grown it on his farm for about 10 years, by careful selection he has it as near perfect as any corn we have ever tried. In fact everyone that sees it, at once recognizes it as the ideal corn. 62 lbs. of shelled corn per bushel. 70 lbs. of ears, only 8 lbs. of cob; it is all corn. Your money back if the seed is not satisfactory. Why not give it a trial? Sample ear 25 cts. postpaid; quart 35 cts. postpaid. (Write for price list on Seed Corn.)

W. B. Burt, Stark Co., O.—"The Cash Corn Seed received from you is very satisfactory, and I thank you for your promptness in delivery."

A. A. Darf, Burlington Co., N. J.,—"I grew your Cash Corn this year and it yielded well and was earlier than any corn in this section."

Golden Standard Leaming.

The Leaming Corn was first originated in Ohio in 1826 by J. S. Leaming. For cattle, hogs and sheep there is none better. Rich in both protein and oil, it becomes the ideal from a feeder's standpoint. The cob is more readily crushed and masticated by cattle than most varieties. For the dairy districts, for ensilage purposes Golden Standard Leaming is unsurpassed. Possessed of an abundance of foliage, with broad, fine-quality leaves and heavy stalk, 12 to 15 tons of ensilage to the acre is an average yield. While this Corn is recognized by all as the great ensilage and feeding Corn, it is also a big yielder under modern methods of selection and breeding. The ears are of fine quality and the stalks and broad foliage are very succulent. It is of a rich yellow color and requires 110 to 115 days to fully mature. Sample ear 25 cts., postpaid. (Write for price list on Seed Corn.)



Longfellow Flint

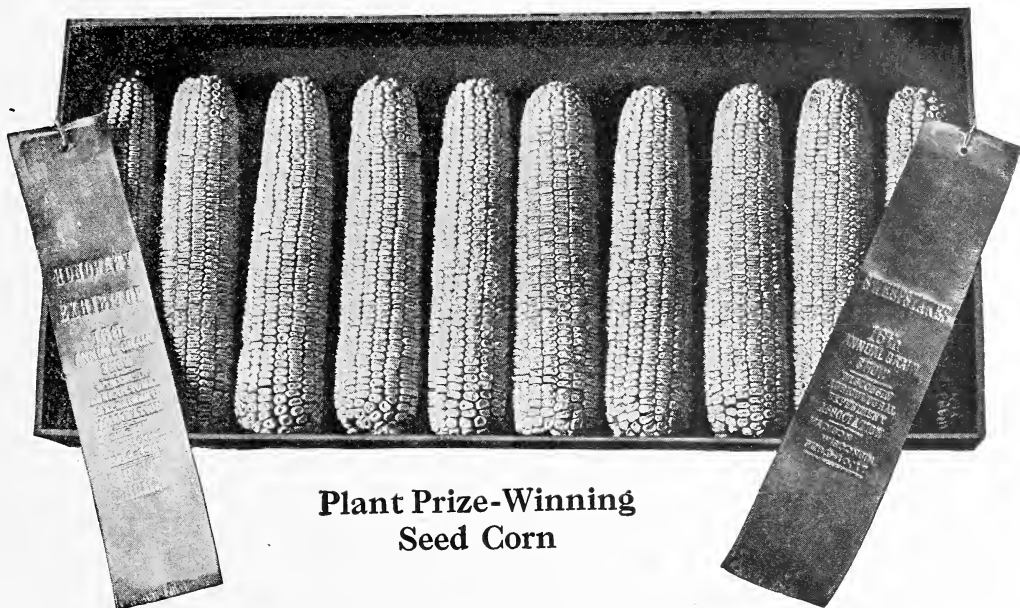
Boone County White. One of the largest varieties of dent corn grown. It is not suited for crib corn in this and northern localities as it is too late in maturing. In southern districts it produces bumper crops and is one of the heaviest yielding corns grown. We handle this corn because many of our customers prefer it for silage purposes as it makes a wonderful growth for fodder. Our seed is of strong germination. Write for price list on Seed Corn.

Longfellow Flint. A large, eight-rowed yellow Flint variety, well adapted for the northern states. The ears are long, some of them measuring 15 in., and oftentimes two or more good specimens grow on one stalk. Grain long, broad and yellow. The cob is quite small. Write for price list on Seed Corn.

Sweet Fodder Corn. Best for cutting and feeding green during the summer months. This is better than any field corn, from the fact that it is so very sweet and nutritious that cattle will eat every part of the stalk and leaves with relish. Drill thickly, in rows 3 ft. apart, using 1½ bu. of seed to the acre. Write for price on Seed Corn.

Red Cob Ensilage. A large, tall growing variety, popular for ensilage, is used considerably in certain sections of the country, not as leafy or early as "Holco" Blue Ridge. Our stock of seed was well matured, dried and protected. Write for price list on Seed Corn.

The Quality of the Seed you plant will be making your farm's success or failure months after the cost is forgotten.



Plant Prize-Winning Seed Corn

“Holco” Sure Crop Corn

“Holco” Sure-Crop is an ideal early Yellow Dent Corn, and we do not hesitate to say that it will be one of our leading corns. We feel sure it will be as popular with all corn growers as our Golden Surprise. Matures under favorable weather conditions in 90 to 100 days. Has a strong root growth, which holds it up well during wind storms. The stalks grow to a height of 7 to 8 ft. Ears average 8 to 9½ in. Cob very thin, often producing two large ears to a stalk; the large grains are of a bright, golden yellow. Is a splendid yielder on light soils, while on rich, fertile soils it is a wonderful cropper. “Holco” sure crop will grow and produce its crop in any corn-growing State in the Union. Sample ear 25 cts. postpaid. (Write for price list on Seed Corn before buying.)

Dwarf Essex Rape

The Perfect Hog and Sheep Feed

This cheap but ideal summer and fall pasture for hogs and sheep should be planted on every farm. The Ohio Exp. Station says: “As an annual forage crop for swine, it is unsurpassed.” The dry matter of rape compares favorably with that of alfalfa or clover pasture. An acre of rape pasture may be estimated to carry 18 to 24 full fed pigs from June until close of grazing season. Sow rape on richest and most fertile soil using 3-5 lbs. seed per acre if broadcasted, or 1-2 lbs. if drilled. Plant about June first or later. Our seed is choice quality genuine selected stock. (Write for price list.)

Larger Crops in Field and Garden ---if you use



Alfalfa, clovers, soybeans, vetches, peas, beans, cowpeas, peanuts and other legumes should always be inoculated with Nitragin. The lack of necessary bacteria in the soil is often the cause of a poor legume crop—a weak start—or a total failure.

YOUR DOLLAR GOES FURTHER WITH NITRAGIN

Nitragin is an old, reliable inoculator. At the low price of 20 to 33 cents per acre you cannot afford to sow legumes without it. Nitragin is put up in the modern ventilated package; in a rich, soil-like packing medium. The contents are always fresh, living bacteria to feed your plants. Easy to use.

EVERY GARDEN NEEDS NITRAGIN
New Garden Culture for Peas and Beans

PRICES See Below.

Bushel size	-----	\$1.00	Mailed 8 cts. extra.
(Any legume crop)			
Half Bushel size	-----	.55	Mailed 5 cts. extra.
(Any legume crop)			
Garden Size, Beans	-----	.15	Mailed 2 cts. extra.
Garden size, Peas	-----	.15	Mailed 2 cts. extra.
Garden size, Sweet Peas	-----	.15	Mailed 2 cts. extra.
State What Crop You Want It For			

Wheat

Marquis Spring Wheat. Remarkably early—Very Productive—Best Milling Quality. This is the newest, earliest and highest yielding variety yet introduced. Originated at the Central Canadian Experiment Station and now grown throughout the great wheat producing sections of the north. It has given heavy yields in Ohio during the past but with the oats it was hurt by the exceptional dry weather last year. It must be planted early for best results. (Ask for our current price list before buying.)

Winter Wheats. We handle and recommend only those varieties which have given best results and highest yield under Ohio conditions, and in regions where similar strains of winter wheats are grown. The varieties are among those giving highest yields in a 10-year test at the Ohio Experiment Station. Write for our list.

The Michigan State Sanatorium, Livingston Co., Mich.—“We never raised the Blue Ridge Ensilage Corn before this year, and do not know what the harvested crop will be like, but we never have had a field that germinated so nicely as this planting of the Blue Ridge seed has done. We are very sorry that we did not get twice as much. This seed has the appearance of being gilt-edge and is living up to it. Everything purchased from you is in the lead.”

Sunflower

Sunflower seed is one of the best egg producing foods for poultry; the leaves make excellent fodder, being relished by all kinds of stock. The seed is a good food for hogs, and yields a fine quality of oil. The stalks, which grow very large, make excellent firewood. It can be sown any time before the middle of July. Plant in hills, allowing 3 to 4 plants to each hill, 3½ to 4 feet apart each way; or in drills, 6 quarts will sow an acre. Cultivate the same as corn.

Mammoth Russian. Flowers 18 to 20 inches in diameter. Very showy, but mostly grown for the large amount of seed produced. Write for prices.

"Holco" Famous Tested Ensilage Corn

"Holco" Blue Ridge, Earliest--Grows tall--Leafy--Full eared

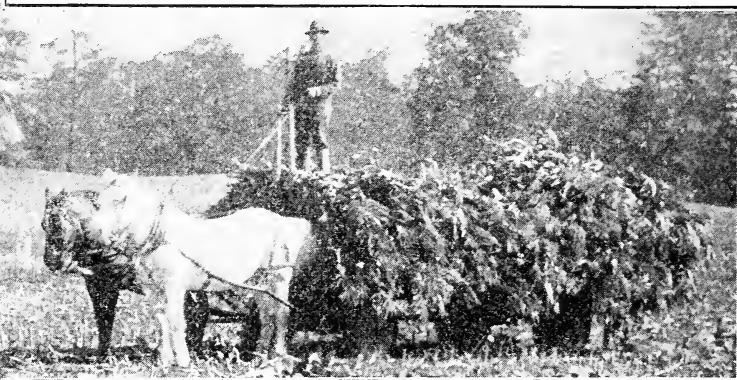


"HOLCO" BLUE RIDGE
On Our Own Farm

keep properly, and much of it is kiln-dried, while large quantities have been stored in elevators and gone through a sweating process which has destroyed the germs. Our stock is carefully selected and dried. We can assure you high germination. (*Write for prices.*)

"Holco" Blue Ridge Ensilage Corn originated in the Blue Ridge Mountains. It is the result of careful selection for many years of corn grown at a very high altitude. This selection was made with a view of getting more foliage and the earliest largest yielding ensilage corn. On account of its being grown at a high altitude and away from other varieties, it is earlier than any other Southern Grown Ensilage. Our "Holco" Blue Ridge grows very tall, attaining a height of 14-16 feet on good soil. It is also very prolific, producing many large ears, and makes the heaviest, and thickest fodder of any early southern ensilage. In our opinion and those who grew it the past few years, it is the best and most productive corn any one can plant. The "Holco" Blue Ridge is grown especially for us, properly selected and cured and we know it is of highest germination, strong and vigorous. Be sure and try this corn if you want one of the best. (*Write for prices before ordering.*)

A. Selle, Ozaukee Co., Wisconsin.—"In regards to the corn I got from you will say Blue Ridge is the best that can be raised. Also Old Virginia does well here. In 1920 Blue Ridge ripened and had a lot for seed."



Eager Bros., Livingston Co., Mich.—"We are very much pleased with the Blue Ridge Ensilage Corn and Old Virginia. We are in the market again for seed."

Charles Carson, Charlevoix Co., Mich.—"My Eureka Ensilage Corn did wonderfully well, some stalks reaching the height of 16-17 feet. Got a bushel from the East this year but found yours just as good and at about 2-3 the cost"

ADD SOY BEANS TO YOUR SILAGE

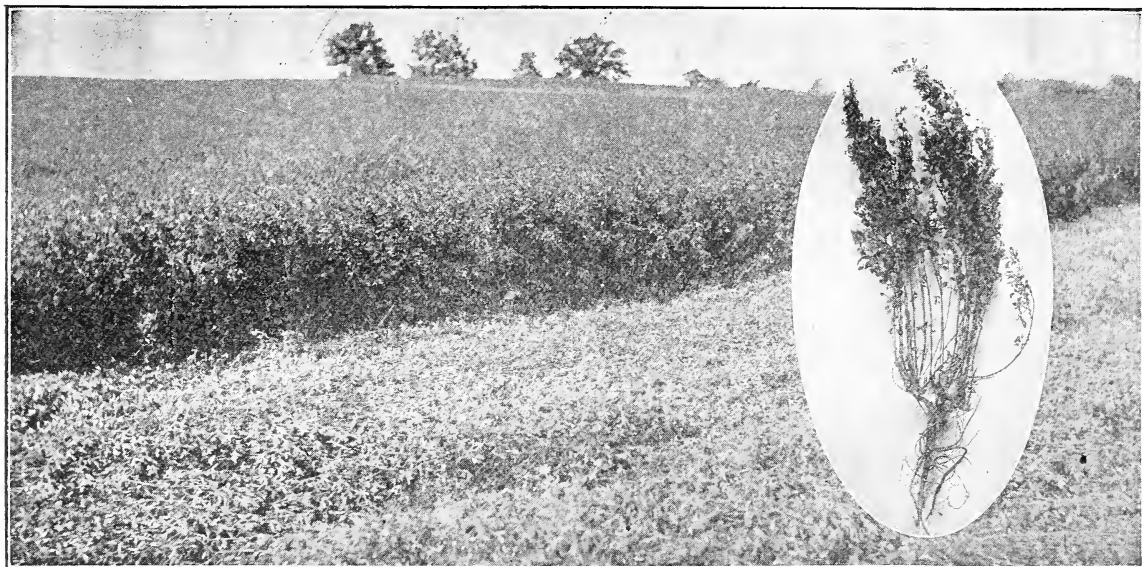
Under Seed Corn we take space to urge our friends who have Silos to grow Soy Beans for Silage as well as Corn. One-third Soy Beans to two-third corn will make your Silage a perfect ration. The Soy Bean plant will supply the protein that the Corn lacks. You can grow the Soy Beans right in the same row as the Silage Corn. Or plant the Soys separately.

Eureka Ensilage Corn. Grows very tall, leafy, short-grained, but one of the most productive, both in growth of fodder and grain, many of the standard varieties. Originated in Virginia and our stock is grown by the originator. We can assure you corn of strong germination. (*Write for price list.*)

Old Virginia Ensilage Corn. Is one of the most popular and satisfactory of all ensilage corn. Grows to a large size, is very leafy and well adapted for ensilage. There is no corn more difficult to cure or

SUNFLOWERS FOR SILAGE

Wonderful results are being obtained from the use of this novel crop for silage, and 3 to 5 tons more feed can be raised per acre than from corn. The silage is good tasting, of high feeding value and well liked by stock. Sunflowers do better on poor soils than corn and withstand hot dry weather. From 4 to 5 pounds of seed are planted per acre in rows like corn and the crop cut when 1-10 plants are in bloom. We have Mammoth Russian variety which is used and will gladly send price of seed.



“Holco” Selected Northern Grown Alfalfa Seed

Why take a chance on unknown seed when you can be sure of getting Genuine Northern Grown Alfalfa Seed that is clean, pure and of highest germination. (See Photo above).

Grimm Alfalfa which we can guarantee to be from fields having the true variegated flowered plants. Genuine Grimm will stand the severest winter conditions and survive when all other varieties fail. Many Agricultural Colleges are now recommending Grimm seed if the genuine can be secured. They have found that owing to its hardiness and ability to resist winter killing it is the cheapest to buy in the long run. We have affidavits from our growers that the seed is grown from seed originally secured from the Famous Grimm Fields of Carver Co., Minnesota. (*Write for prices.*)

Genuine Dakota and Montana Seed. The famous Northern Grown Hardy Seed which comes next to Grimm in its ability to survive and produce. (*Write for prices and tests.*)

Alfalfa. Exceeds all other fodder plants in nutritive value, well cured alfalfa hay being equal to bran in feed values.

Relished by all kinds of live stock.

Makes excellent hay and usually out-yields all other hay crops.

Grows rapidly and provides several cuttings a season.

Alfalfa provides excellent pasture.

More drouth-resistant than clover.

Alfalfa is a weed enemy.

Adds fertility to the soil in the form of humus and nitrogen and greatly improves its productivity.

Adapted to wide range of soil and climatic conditions.

HOW TO SUCCEED WITH ALFALFA

Prepare a well-firmed seed bed at least a month before seeding to get rid of the weeds. The soil should be limed after plowing if acid, 2 tons per acre. Well rotted manure or an application of commercial fertilizer is necessary if the soil is poor. Inoculate the seed and sow from 12-15 lbs. per acre and cover lightly. Don't sow later than Aug. 10 in Northern States. Sow without nurse crop if land is not weedy. In the North don't pasture or cut alfalfa after Sept. 15. Never sow alfalfa on low, flat or wet soils.

“Holco” Extra High-Grade Clovers

Sown by the most critical farmers everywhere. For many years, as seedsmen to the best American farmers, we have given the closest attention to supplying the Highest Quality Clover and Grass Seeds. Do not be deceived by the offer of cheap seed. **Pure, Clean Seed** is seed contaminated with weeds and foreign matter. **Holco Quality** is acknowledged by the leading authorities to be of the highest possible grades obtainable. A second thought to this, and you will realize that the best seed you can buy will be the cheapest for you to plant. **GUARANTEE**—If you are not satisfied with our seed, return it to us within ten days, and we will refund your money and pay transportation charges both ways.

Red Clover. Most important of all leguminous forage crops, due to its high feed value and its usefulness in rotations. Succeeds on many types of soil. Excellent for pasture. A soil improver and a fertilizer. This is perhaps clover's greatest value, it adds humus and nitrogen to the soil, and thus greatly benefits subsequent crops. Costs less per acre than other forms of fertilizer. Well adapted for seeding in mixtures. Unexcelled for use in the rotation of crops. May be seeded with grain, thus utilizing the ground for a cash crop and a fertilizer crop during the same season.

White Dutch Clover. Best for permanent pastures and lawns. Can be sown in the spring or fall. We handle only the high-quality re-cleaned seed.

Alsike Clover. Adapted to a wider range of soil and climatic conditions than red clover. Thrives on moist soil. Makes unusually fine hay. Excellent for pasture mixtures. May be mixed with other clover for spring seeding, as only half as much is required.

Mammoth Clover. Does better on thin soils than Medium Red and makes a wonderful crop to plow under. A big hay producer and excellent for pasture. “Holco” Quality Seed.

Crimson Clover. The equal of any clover for hay and fertilizing value. It is sown in the late summer and fall usually in corn.

Write for our Latest Current Farm Price List Before Buying.

HUBAM CLOVER

Annual White Blossom Sweet Clover

Wonderful New Clover ---The Emergency Hay Crop

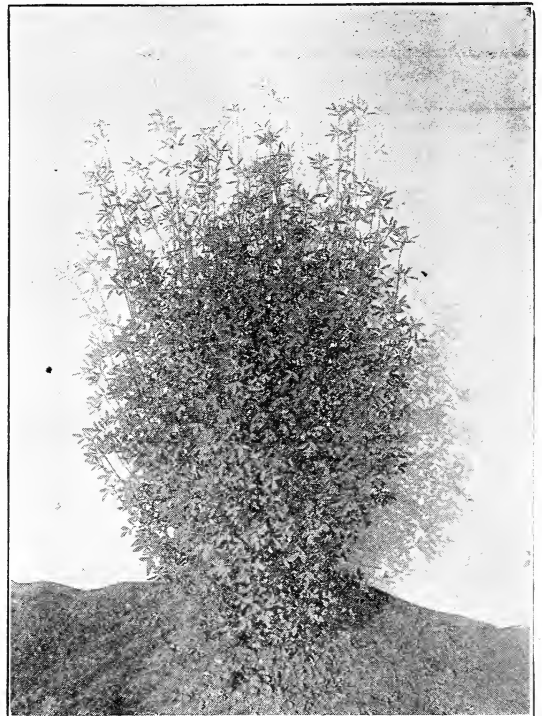


The
World's
Great
Soil
Builder

FIELD OF HUBAM CLOVER

This is the wonderful new clover that has caused such a sensation throughout the country. It does in one year all that other clovers do in two years. It reaches three to seven feet in height in from four to seven months after planting. It has grown successfully in every state and in most foreign countries. It is the greatest fertilizing plant known, a wonderful hay and pasture crop and unsurpassed as a honey producer.

Hubam was discovered by Prof. Hughes of the Iowa Agricultural Experiment Station. After harvesting the small grain crop, it produced six times the growth of medium red and mammoth clover, when seeded in with small grains. The drought-resisting qualities of this clover are remarkable; without irrigation and with less than one inch rainfall after seeding it made a growth of seven feet. Fifty thousand sample packages of Hubam Seed have been sent out for trial, and it has succeeded in every state and in many foreign countries. It begins blooming in from two to four months after seeding and continues for several months. Plant in early spring. It requires two to three pounds of seed per acre if planted in cultivated rows, or ten to twelve pounds if seeded broadcast. There will be a great profit in growing Hubam for seed in years to come, as there is a growing demand for it from all over the world. Six hundred pounds of seed per acre has been produced. You can be sure of getting the genuine Hubam Clover Seed by buying it in our sealed, Guaranteed packages. We will furnish Certificate upon request. Last year seed sold for ten dollars per pound. As long as the supply lasts, we will furnish it as follows: **\$2.00 per lb.** Order Quick.



HUBAM CLOVER

Grows from 3 to 7 feet high in 4 to 7 months after planting.

Sweet Clover (White Blossom)

The Greatest Crop for Hay, Pasture and Fertilizing

**Build Up Worn-Out Pastures, Exhausted Fields and Barren Hillsides
by Sowing Sweet Clover**

This hardy once despised roadside weed came into its own when once its great value was appreciated and its use was understood. The ability of this wonderful plant to grow and thrive under adverse conditions has made it a benefactor to mankind. Live stock soon learn to eat Sweet Clover and its high protein content makes it one of the most valuable crops to plant on the farm for feeding. Hardly a crop can compare with it when some green fertilizing crop is needed to plow under. Its extensive root system gathers great quantities of nitrogen if it is inoculated, and add this expensive element of plant food to the soil. Where Sweet Clover is grown Blue Grass soon follows and covers the land with its velvet sod, making valuable pastures out of land that was waste and barren. Never be afraid you can't get rid of Sweet Clover if you wish. By cutting the clover close to the ground and preventing its forming seed it dies out in two years same as Medium Red Clover. Starting with Sweet Clover is sometimes difficult unless you sow on a thoroughly compact seed bed, for on loose freshly plowed land it soon dies. Sweet Clover requires lime or a soil not acid. It also requires inoculation for best results. 15 lbs. of seed are usually sown per acre. Can be sown at any time after seed bed has been well prepared and is compact. For Hay, Sweet Clover should be cut before it comes into bloom, and in cutting raise mower so the base of the plant and side shoots are not entirely cut off.

Our Seed is the Genuine White Blossom Variety—the one adapted for hay, pasture and other uses. (*Write for our price list before buying.*)

"Holco" Recleaned Grass Seeds

Timothy. (Phleum Pratense.) Good seed is important for high yields and clean fields. Our seed has never been cleaner than the new fresh crop that we offer this year. Seed that any farmer would be proud to sow. Don't buy Timothy Seed just because you can get it cheap. Before you buy, know what it will test and that such test will be on the bag you receive as is required by the Ohio Pure Seed Law. Such protection you get in buying from us. Let us supply your wants with our clean, pure seed. Sow 5 to 10 pounds per acre. (*Write for our price list before buying.*)

Kentucky Blue Grass. (Poa Pratensis) Makes the best sod of any grass and is one of the earliest grasses to start in spring. For pasture and lawn it is unequalled. We do not handle cheap light seed full of chaff and weeds. The standard weight per bushel is 14 lbs. but our Pure Recleaned Seed runs 20-25 lbs. per bu. Sow 15 to 20 pounds per acre.

Red Top. (Agrostis Vulgaris.) A wonderful grass to sow for hay and pasture. Does especially well on moist soils. But Red Top should be in every grass mixture sown on the farm for permanent pasture. We have the cleanest and purest seed obtainable. Sow 12-15 lbs. per acre. (*Write for our price list on Grass Seeds.*)



SWEET CLOVER

Canadian Blue Grass. (Poa Compressa) Is an excellent grass for dry, sandy, thin soils and banks; also for rocky soils and for all surfaces that are seriously affected by long continued droughts. Sow 15 to 20 lbs. to the acre.

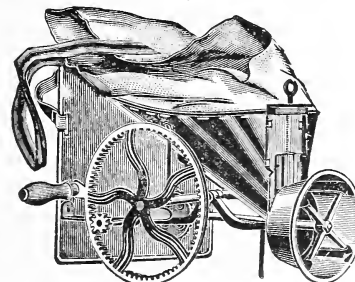
Meadow Fescue. (Festuca Pratensis). Early, productive, suitable for permanent pasture. May be sown alone or with other grasses. Sow 15 to 20 lbs. to the acre.

Orchard Grass. (Dactylis Glomerata) Does well in shady places and is splendid for pasture mixtures furnishing a good growth all summer. Starts rapidly in the spring and grows quickly. Sow 20-25 lbs. per acre.

English Perennial Rye Grass (Lolium Perenne) Produces abundance of hay. Requires being cut in flower or very soon after. Sow thirty pounds per acre. (*Write for prices*)

Cahoon Broadcast Seed Sower

For Sowing Seed, Grain, Clover Seed, etc.



The best seeder manufactured, and sows all kinds of grain, clover seed, etc., rapidly and evenly. A person entirely unused to seeding can, by following the simple directions sent with machine, sow from four to six acres an hour at a common walking gait. It sows uniformly and saves four fifths in labor by its use. Every farmer should have one of these sowers. Circulars giving full information and directions for use, mailed on application. Price \$4.65 each.

Write for our current Farm Seed Price List before buying.



Planted Middle of July—SUDAN GRASS on Baird Bros. Farm,
Stark County, Ohio

Testimonials from a Few of Our Customers Who Planted Sudan Grass Last Season

M. A. Cooper, Secy., Dorset Horn Sheep Breeders' Assn. of America, Washington, Co. Pa.—"Seeded about 1/2 acre with Sudan Grass. It grew and made a fine lot of feed. Could have cut it the second time, if we had sown it earlier."

Baird Bros., Stark Co.—"We planted Sudan Grass about the middle of July and it made a big crop of hay. Part of the field was cut early and that made another crop before frost. We never saw a crop grow so fast!"

W. J. Mathews, New York State.—"The Sudan Grass grew to a height of 6 feet. Want to put in 20 acres next year and put some into the silo with corn"

Winter Vetch

The Great Soil Builder and Cover Crop

This wonderful legume Winter, Sand or Hairy Vetch is giving great results as a cover and soiling crop wherever used. Whether it be in the cold Northern States or Sunny Southland, Hairy Vetch is the crop to replenish lost fertility and keep good soils fertile. It grows well on land where clovers do not thrive, and takes the place of these necessary legumes. Vetch lives over winter, making good fall and early spring pasture.

Winter Vetch is a great crop to sow in the fall to prevent leaching of the soil and wasting of plant foods. As a crop to plow under in the spring for corn, Hairy Vetch will add many bushels to your yield.

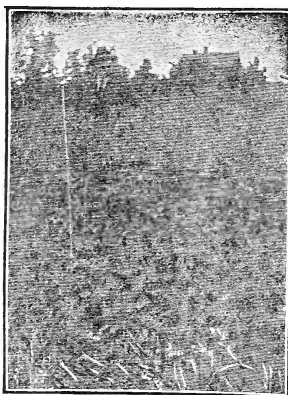
Winter Vetch is usually sown in the fall from Aug. to last of Oct., and generally mixed with fall rye which holds up the vetch plant better. From 15-20 lbs. of vetch is sown with a bushel of rye, but for a heavy stand of vetch from 20 to 25 lbs. are sown.

Winter Vetch can also be sown in the spring with oats or any other spring grain and will furnish early fall pasture after the grain is cut. It also increases the yield of the crop it is planted with if the vetch is inoculated. The feeding value of vetch is equal to alfalfa and it is readily eaten by all live stock. The demand for Genuine Winter Vetch is so great that it is sometimes difficult to get pure seed. However, we have usually been able to supply our customers with all the seed desired, if the orders reach us early. We have only the best quality pure Winter or Hairy Vetch at lowest market price. (Write for our price list.)

Stock Beets and Mangels.

See Page

Write for Our Current Farm Seed Price List.



HAIRY OR WINTER VETCH

Sudan Grass

The Most Prolific Hay Crop Grown. Will Raise Two Crops in a Season. Grows Most Feed in Shortest Time

Can you not use to advantage a few acres of hay that can be raised easily and quickly and will yield 2-8 tons of cured hay per acre? Then plant Sudan Grass and be surprised at the abundant crop of nutritious hay that this wonder plant will produce in so short a time. The drier and hotter the weather, the more you will be surprised at the growth it makes. It will grow and produce a crop on any kind of land but the better the soil the larger will be the yield.

All kinds of live stock like Sudan Grass, and will leave other hay to eat Sudan. It has a sweet pleasant taste, being by nature a member of the Sorgham family. The feeding value of Sudan Grass is higher than other hays outside the legumes.

Two crops of the Sudan Grass can be harvested if seed is planted about corn planting time. It should not be sown earlier as it requires a warm soil to give it the right start. The second crop is generally better than the first for the plant stools wonderfully and gives a finer quality of hay. The first crop can be harvested about 50-60 days after sowing and the second crop will be ready to cut about 30-40 days later. In some sections three big crops in one summer can be cut. Sudan Grass is an annual and does not live over winter so must be planted every year.

Sudan Grass can be sown either broadcast or planted with a drill. On light soils or in dry sections, drilling in rows 18-36 in. apart and giving a few cultivations prove best. Sown in this manner, it will take 5-10 lbs. seed per acre. On fairly fertile soils or where there is plenty of moisture, sow broadcast or drill solid 15-25 lbs.

Sudan Grass can be cut repeatedly during the summer when desired to feed green as a soiling crop. Cut with a mower just like other grasses. It cures quickly, and can be put in rows in a day or less time. It may then be baled or handled loose, just as other hays. Sometimes it is cut and bundled with a grain binder. It is best to cut Sudan in the root stage just before the heads appear. It is a very nutritious grass as the government analysis prove it to be rich in protein and easily digested. (Write for prices.)

Millet

Splendid crops for hay or soiling. Can be sown both in spring or early summer as catch crops. They thrive best on fertile soil.

Golden Millet. An early variety noted for its large heads. Will produce an enormous crop on rich soils and when young, makes excellent pasture. (Write for prices.)

Hungarian Millet. Preferred for hay on account of its slender stems, abundant leaves and small heads. Very quick grower and can be sown late.

Japanese Millet or Billion Dollar Grass. Used for both a green fodder crop and for hay. Will grow 6-8 feet high and does best on moist soils. Makes an excellent crop to plant for silage, giving enormous yields. Only 12-15 lbs. seed required per acre. (Write for prices.)



Farm Seeds

All Our Tested Farm Seeds are Sold Under the Provisions of The Ohio Pure Seed Law. When You Buy Seeds Outside Ohio You Are Not Protected by This Pure Seed Law.

Our Field Seeds are Guaranteed to Suit and if not satisfactory or in your opinion not found as represented, we gladly refund your money and repay transportation charges, if seeds are returned immediately. We do not hold ourselves responsible for the stand or crop for such depends to a large extent upon conditions of the soil, weather and cultivation.

Oats

There is no crop which comes nearer being raised at a loss than oats, if a good clean high yielding variety is not sown. Oats should be sown early in the spring, preferably on fall plowed land. Seed by drill or broad-cast, using 64-96 lbs. per acre. Bushel 32 lbs



FIELD IMPROVED SWEDISH SELECT OATS

Flax Seed

In procuring Flax Seed attention should be paid that it be healthy and perfectly clean, as this is such an important item. We offer good, clean and healthy seed of this variety at a very reasonable price. Cleaning Flax so as to make it suitable for seed is an expensive operation, requiring special machinery, and often involves considerable waste.

Write for prices before buying.

Buckwheat

Japanese Buckwheat. is an early variety which can be sown farther north than other strains. Seed is very large and a heavy producer. *Write for lowest prices.*

Stock Beets and Mangels

No farmer should be without Beets and Mangels for winter feeding. The great feeding value of such crops should be understood by every one who desires to keep livestock healthy and in a good thrifty condition. A succulent feed such as is furnished by Stock Beets can be grown cheaply and abundantly on every farm. For keeping up winter egg production, beets are as necessary as other feed. We offer choicest seed of all the leading varieties and call your attention to page 14 for complete list and prices.

Write for our Current Farm Seed Price List.

Improved Swedish Select

This is an improved strain of the Swedish select. Variety introduced by the U. S. Department of Agriculture some 15 years ago. Under constant improvement and selection since that time this variety has become the most popular oats in America. Has a large, white, plump kernel and spreading head. A tremendous yielder on light soils, due to its extensive root system. An early maturing, uniform ripening strain. Well adapted to the average soil.

Ask for our current farm seed price list before buying.

Pedigree Number One or Wonder Oat

Remarkable for its Productiveness and its Stiffness of Straw

The greatest oats for heavy soils ever produced. Bred and improved for a stiff straw, which prevents lodging on rich soils. A white oats with a thin hull and spreading head. When grown in comparison with other varieties, it far out-yields them. A medium early oats of wonderful yielding power. Genuine pedigree seed, true to type and name. *Ask for our current farm seed price list before buying.*

Canada Field Peas

Field peas are one of the best hay and soiling crops that can be grown. Usually sown with oats which makes a rich nutritious hay. Splendid to cut and feed green as a soiling crop. Sow 60-90 pounds of peas to 64 pounds of oats early in the spring. Does best on fertile soils which have been well prepared. 60 lbs. per bushel.

Write for lowest prices.



FIELD OF CANADA FIELD PEAS AND OATS

Broom Corn

Improved Evergreen. The best variety for brooms.

Brush long and straight; bright green color. Highest quality of seed. Drill 15 lbs. seed per acre and cultivate. Bu. 48 lbs. *Write for lowest prices.*

"Holco" Pedigree Barley

The World's Champion Bearded Barley

Barley is nearly equal to Corn for feed and costs a great deal less in time and labor to raise.



FIELD OF PEDIGREE WISCONSIN BARLEY Originator's Stock

We Have the Genuine Northern Grown Wisconsin Pedigree Barley.

This is the highest yielding variety of barley grown and is the result of 20 years breeding and selection at the Wisconsin Agricultural Exp. Station. Our seed is pedigree stock and will out-yield the common varieties 10-20 bu. per acre. It ripens uniformly and is noted for its stiff straw and plump kernels. This Pedigree Bearded Barley has been used with splendid results by the farmers of Minnesota and Wisconsin where a rich feed is desired for their dairy cattle. Why not put out a field of barley this year and reduce the number of acres of corn that would have to be planted and cared for all during the summer? Many of our customers find this barley yields as heavy as their oats.

Barley needs a good fertile soil, clay or loam, for best results. It is seeded just after oats, as early in the spring as possible. If drilled use $1\frac{1}{2}$ to $1\frac{3}{4}$ bushels per acre.

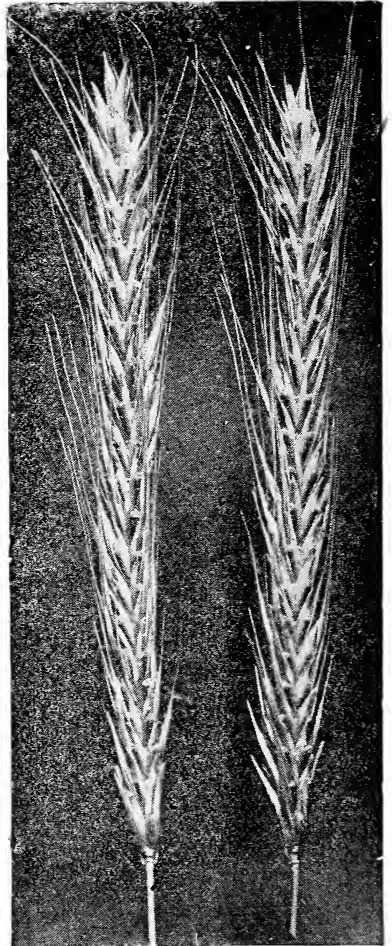
As a Nurse Crop for Clover or Alfalfa there is no better crop to plant than barley. It is not so apt to lodge and smother out the new seedling as oats. For a nurse crop where the new seedling is of most importance sow not over $1\frac{1}{4}$ bu. per acre. (Write early for a price list on this Pedigree Barley.)

Beardless Barley. (Holco Quality). A favorite with many who do not like the bearded varieties. Easier to handle on this account as it is free from the objectionable beards. Our seed is a very productive strain but of course cannot be expected to yield as heavy as our Pedigree Bearded Barley. (Write for prices.)

Rye

Spring Rye, (Holco Quality). One of the best crops for light soil as it makes a much better yield on poor soils than most any other spring sown grain. On good soils it is planted for pasture and makes an abundant early growth, and is used for this purpose by many live stock raisers. Sow $1\frac{1}{2}$ bu. per acre early in the spring. (Write for prices.)

Rosen Rye. The heaviest yielding variety fall rye. This new rye was introduced by the Michigan Experiment Station several years ago and has proven to be one of the best winter strains for the Northern States. It will outyield common rye 15-25% and is very winter resistant. On good soils this Genuine Rosen Rye yields from 35-50 bu. per acre. The berry is of light color and very plump. It has a strong straw and stools to a remarkable degree. Write for prices on this Pedigree Seed.



HEADS ROSEN RYE

Field Pumpkins

We place these among our field seeds, as they are excellent for feeding stock, and should be grown in every corn field. Hundreds of loads of pumpkins can be grown without any extra expense.

Connecticut Field. This is widely known as the Yankee Cow Pumpkin, and there is no variety that will do as well among the corn. Lb. 75 cts., postpaid.

Mixed Pumpkin Seed. We offer a mixture of Pumpkin seed, consisting of large Mammoth and field sorts and also the choicest pie pumpkins. Lb. 75 cts., postpaid.

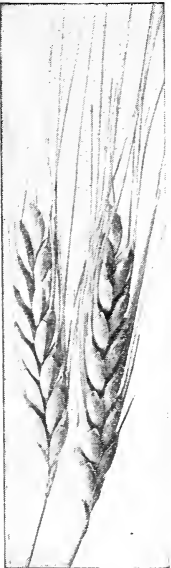
Speltz or Emmer

Speltz is a new crop that is rapidly gaining favor in the east as a feed producer. It will thrive on poor soils and does well in dry weather. It is sown in the spring like oats which it has out-yielded for many of our customers. The grain when threshed has a covering like oats or barley. It is relished by all kinds of stock and is usually ground and mixed with other feeds not so rich. Sow 2 bu. per acre. (Write for our price list.)

Sugar Cane or Sorghum

Early Amber Cane. The choicest variety and best for syrup. This is the earliest and richest strain for northern latitudes. Our seed is clean and highest grade. (Write for prices.)

Gem Sorghum or Fodder Cane. Grows 8 to 12 feet high. The greatest known fodder for horses, cows, hogs and sheep. One bushel of seed to the acre. (Write for our Current Farm Seed Price List.)



SPELTZ

Soy Bean Hay

Most Nutritious and Relished Forage for All Live Stock

Soy Bean Field
and
Inoculated Plant
showing large
nodules on the
roots

It pays to
Inoculate



Grows wherever corn will mature. Resists dry weather better than corn or clover. Does well on soils too acid for red clover and alfalfa. Makes good growth on light and poor soils. Can be raised for hay, forage, seed or silage. Dairy cows, horses, hogs and sheep make good use of Soy Beans. They are used for green manure and when inoculated, roots are covered with large nodules. Write for our Price List on Soy Beans.

Ito San. This is the standard best known and most widely grown variety. It is early maturing and recommended for both hay and seed production. The bean is yellow and a good one to sow with corn for hogging down or forage. It makes a fine quality hay.

Medium Green. An exceptional good bean for hay and forage, also widely used with corn for silage. On account of the seed shattering badly, this variety is not recommended for seed purposes. The seed on this account is usually scarce and higher priced.

Ohio. No. 9035. This is a brown bean improved by selection at the Ohio Experiment Station. It is probably the most important of the medium sorts. The plant is tall and leafy, making it a good one for hay. It is also noted as a seed producer and does not easily shatter. We can thoroughly recommend this bean.

Holly Brook. We have found this to be one of the best to plant with corn for silage. It is also a good bean for hay or forage and is one of the tallest medium maturing varieties. A good seed producer and will mature beans in ordinary seasons in this and more northern localities.

Mammoth Yellow. This is a Southern grown bean and it cannot be expected to mature seed in this locality. However for its purpose it is very desirable being widely used for hay, silage and plowing under for green manure. This bean will make a tremendous growth of leaves and vines and is often mixed with an earlier bean. *Be sure and get our current price list before ordering.*

Northern Grown Soy Beans. All our Soy Bean Seed except where noted in the catalog you can depend on to be Genuine Northern Grown and under ordinary conditions of weather will easily mature.

Inoculation. Soy Beans should be inoculated before planting as they make a much better growth and are more leafy. It certainly pays to inoculate Soy Beans and a row planted with seed not inoculated will convince you of its value.

We have Inoculators for Soy Beans and all other legumes sure, reliable and Easy to use.

"Holco" Inoculator supplied at the following prices: 6-acre size \$3.00, 4-acre size \$2.25, 1-acre size, .75 cts. postpaid.

In Planting Soy Beans Do Not Use Old Seed.

Owing to their high oil content Soy Beans do not germinate well the second year, so be sure you have fresh tested seed. We make a specialty of Soy Beans, and all our seed is new and of highest germination. We can assure our customers that they will get only this season's crop which has been carefully threshed and stored.

For Hay. Plant when the ground is thoroughly warm, one to two weeks after corn planting time. Drill 3 to 8 pecks per acre. Can be broadcasted if covered lightly. Harvest when pods are well formed. Mow after dew is off, rake up when wilted and cure in windrows or cocks until safe to store.

For Silage. Mix 1-3 beans with 2-3 corn and keep well stirred in the planter box to make even stand. Beans can be mixed with fertilizer and planted thru fertilizer attachment, using less than one peck beans per acre. Beans are often planted by hand after corn is up or drilled in with planter. For the largest crop of Soy Beans the most satisfactory way is to plant in separate field from corn and mix at time of filling silo.

For Seed, Hay or Silage. Soy Beans planted in rows 28 to 36 in. apart and seed 2 to 4 in. apart in the row give probably the most satisfactory results. Use 1 to 3 pecks beans per acre. Give two or three cultivations. Harvest for seed after leaves have fallen, and cut on damp cloudy day to avoid shattering.

Soy Beans in Four-Year Rotation

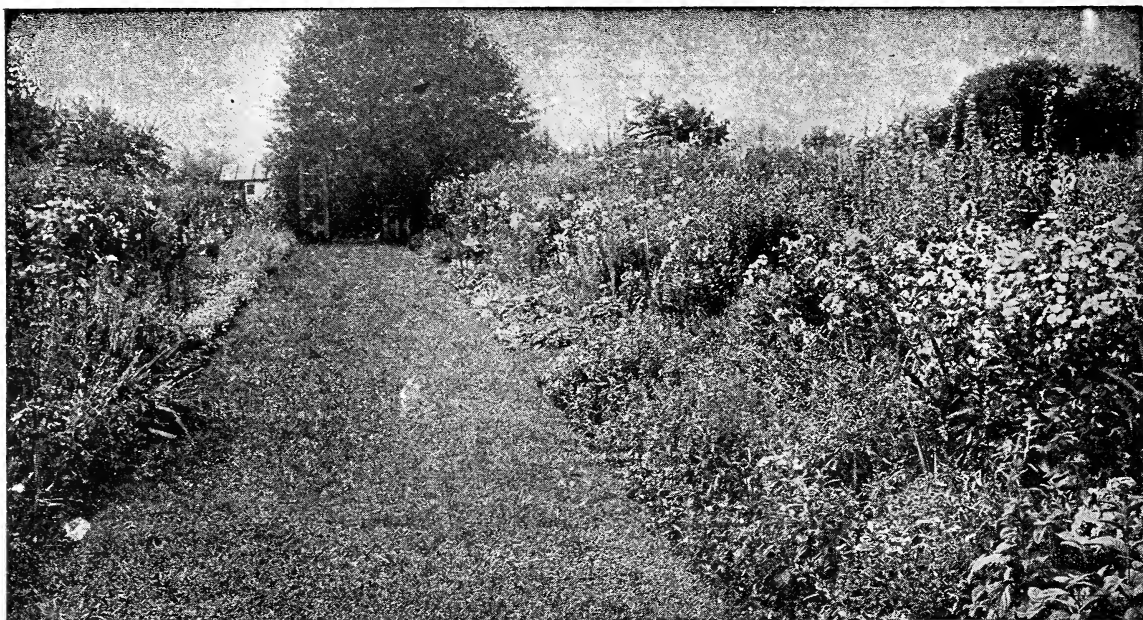
"A number of good constructive farmers in Indiana, who have been studying the soy bean, are going to plant them in a four-year rotation as follows! Corn, soy beans, small grain clover. It has been proven conclusively that wheat following soy beans yields approximately 4½ bushels per acre more than where wheat follows corn alone. It would seem that soy beans and clover every other year would about keep up fertility, so far as nitrates are concerned. The soy bean in this rotation furnishes a medium rooted crop between deep and shallow rooted ones, and this makes one additional good feature."—County Agent I. J. Matthews, Ind

Cow Peas

A valuable legume for pasture hay or improving the soil. Also splendid for soiling and silage—all stock eat it. Very beneficial in any rotation and gathers nitrogen from the air if properly inoculated. Can be planted in spring about corn planting time. Either drill or broad casting 60-90 lbs. per acre, 60 lbs. per bushel.

Our Whippoorwill variety is best, a very quick grower. (*Write for our price list.*)

Write for our Current Farm Seed Price List.



A perennial border like this not only brightens the approach to the house or to the garden, but provides a copious supply of flowers for interior decoration. Most everyone has some nook or corner of their lawn where perennials can be used to advantage.

All the Best Fresh Tested Flower Seeds

To assist in making selections, our Flower Seeds are grouped under three separate headings:

1. Annuals.—Flowers which bloom from seed the first season and last but one year.
2. Hardy Perennials.—Plants which are hardy, and will last for years.
3. Greenhouse Plants.—Tender plants suitable for pot culture in the greenhouses.

All our Flower Seeds are delivered free to any Postoffice. Our packets contain a liberal quantity of seed.

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Flowering Garden Annuals

that attain perfection and flower the first season from seed.

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LONG-SPURRED HYBRID AQILEGIAS
These are of most beautiful colors

New Double-Flowering Cosmos

A most sensational novelty, very effective in front of shrubbery or against buildings or walls, blossoming until heavy frost. Sow in mid-summer and allow two feet of space for each plant. The flowers vary considerably in their degree of doubleness, some being absolutely double, while others have a frill or collar surrounding the double disc, and while we think this is the most artistic, they are beautiful in either form.

326 Double Pink. Rosy Pink.....\$0.15

327 Double White. Pure White..... .15

328 Double Crimson. Rosy Crimson..... .15

A packet of each color for 35 cents

Orange King Calendula.

190 Double, dark orange red, a very select strain of Supreme quality and size, equally desirable for garden decoration or for cutting. The plants in the open ground under ordinary field cultivation attain a growth of eighteen inches in height and produce blossoms three and a half inches in diameter. No garden is complete without a bed of these showy flowers to add a gorgeous splash of color. **Pkt. 5c, oz. 25c.**

American Legion Poppy

853 This new single shirley is a dazzling orange scarlet of enormous size, borne on nice straight stems. Plants are very erect, robust growth. They will grow and bloom freely. In gardens where masses of blooms are desired, nothing can equal American Legion Poppy. **Packet 15 cts., 1/4oz. \$1.00.**

Long-spurred Hybrid Aquilegias or Columbines

118 Are among the most beautiful of spring and early summer flowers, and unlike many perennials the best varieties are produced from seed. They are very effective when growing in the herbaceous border and make charming specimens for vases and table decoration. Our Long-spurred Hybrids are probably the most popular. These produce a mass of delightful color that is much appreciated. **Pkt. 10 cts., 1/8 oz. 50 cts.**

Giant Hyacinth-Flowered Candytuft

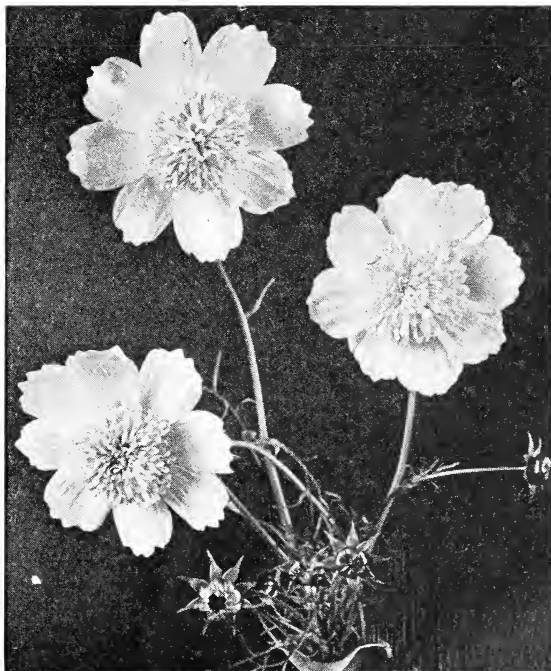
210 A wonderfully improved strain of the popular Empress Candytuft, forming much branched plants about 18 inches high, each branch terminated by an immense spike of very large individual pure white flowers. Makes a very effective white bed or border and is invaluable for cutting. **Pkt. 10 cts., 1/2 oz. 30 cts.**

Lilac Queen Alyssum

34 An especially fine selection of this beautiful dwarf Alyssum in a pretty shade of pale Lilac. The plants are compact growers and create a grand mass of color within a short space of time, after planting. Splendid for ground cover in beds of bulbs during early Spring, and equally valuable as bedding plants during Summer and Autumn. **Pkt. 10 cts., 1/4 oz. 50 cts.**

SALVIA, (Scarlet Sage)

1018 America or Globe of Fire A new variety, dwarf and bushy, of compact growth and very uniform in height and shape. A free and continuous bloomer, producing large spikes of brilliant scarlet flowers. We recommend this variety over any other dwarf Salvia. **Pkt. 25c, 1/4 oz. \$1.75**



DOUBLE-FLOWERING COSMOS
New and pretty type



A BEAUTIFUL STRAIN DOUBLE HARDY PINKS

Chinese Woolflower (*Celosia Childsii*)

238 Without doubt this new *Celosia* is the most magnificent garden annual yet introduced. Its ease of culture and long continued blooming season, (July until frost), together with its massive bunches of wool-like flowers and glowing color, combine to make it the most odd as well as the showiest novelty for the general flower garden. Plants grow about three feet high, the bloom starting early with a globular central head of immense size, while numerous branches are sent out, each bearing a ball of scarlet wool, while each branch produces many laterals which also develop excellent heads of bloom that last until killed by frost and expand with a deepening richness of color to a deep crimson scarlet. Seed may be sown in open, after danger from frost, or sown in pots may be transplanted when ground is ready. Pkt. 15 cts., 2 pkts., 25 cts.

Giant Flowering Mixed Zinnia

1230 A flower of perfect form, round, full and double, and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which make them valuable for cutting and will render them a favorite wherever tried. The plants grow $2\frac{1}{2}$ to 3 feet high, while the flowers often measure 5 to 6 inches across, and thickly set with velvety petals. The ease of culture, indifference to special soils, early, prolific and long continued bloom, and magnificent flowers of exquisite colors has made this strain a favorite. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Double Hardy Pinks A BEAUTIFUL NEW STRAIN

405 These clove-scented Pinks were originated in France. The blossoms are beautifully fringed, large in size and produced in endless profusion throughout the entire season. They are as deliciously scented as the old-fashioned clove pink with the additional advantage that the flowering extends over a much greater period of time. Easily raised from seed, and if sown early will blossom the same season. Quite hardy and should be planted in every home garden. Mixed, all colors, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Legion of Honor Marigolds

653 A splendid dwarf Marigold belonging to the French class. The plants attain a height of some 9 to 12 inches. Flowers are beautifully marked with gold and brown, and are produced in such quantities as to completely cover the plant. An ideal subject planted in solid mass effect or for borders. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Coreopsis

LANCEOLATA GRANDIFLORA

339 This is one of the finest of hardy plants. Grows two feet high, and blooms from June to October. Large orange yellow flowers, much prized for cutting, as they last a long time. Easily grown from seed, flowering the first year. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Dwarf Flowering Phlox

841 Valuable class of the annual Phlox. The colors are striking, the habit compact and dwarf, the plants frequently attaining only 4 to 6 inches in height, forming masses of flowers from 9 to 10 inches across, Strongly recommended for beds, edgings, or borders. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

Verbena

Mammoth Flowering Mixed

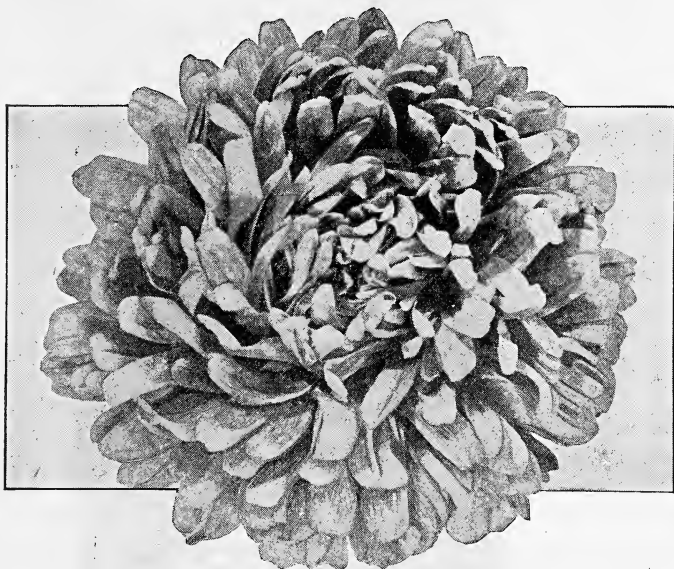
1186 Verbenas are easily grown from seed and can be flowered within a comparatively short space of time after being planted out. The strain which we offer you is our own. The trusses and individual florets are of immense size and contain a wide range of color including all shades from purest white to darkest crimson with the intervening shades of pink, purple, rose, lilac, lavender, etc. For mixed bedding these Verbenas are of exceptional merit. Extra choice mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Mammoth Double Straw Flowers (*Helichrysums* or *Everlasting*)

456 These are one of the best Straw Flowers or Everlastings, and are so useful and showy. The rich double flowers make a fine display in beds or borders, but are especially grown to dry and use in baskets and vases through the winter. Cut blooms when one-third open, tie in bunches and hang head downwards in some dark, dry place until cured; they succeed in any good garden soil. Plant 12 inches apart; hardy annuals height $2\frac{1}{2}$ to 3 feet. Finest mixed, all shades, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Holco American Asters

Are all of American origin. These are one of our leading specialties, and we have spared neither pains nor expense in bringing our strain to the highest perfection. The seed has been saved from the choicest and most perfect flowers only, and may be relied upon for splendid results. No other flower combines so much beauty with which more brilliant effects can be achieved. From July 'til Sept. this flower reigns supreme in the garden. To have early flowers, sow seed in the house from March to May; otherwise sow out of doors after danger of frost is over. Asters require well pulverized soil, do not be afraid to cultivate.



PEERLESS PINK ASTER
A Beautiful Pink Aster

Peerless Pink Aster

3003. This is conceded to be the finest pink late-branching Aster ever offered. The plants are of robust free-branching habit, 24 to 30 inches high, bearing their magnificent blooms on strong stems averaging 18 inches in length. It is hard to find a flower under 4 inches across, and many measure 5 inches by $2\frac{1}{2}$ in depth, forming an almost globular flower, in color a rich shell-pink. It comes into bloom about the middle of August, being at its best during the early part of September, and continuing in good condition well into October. **Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.**

Red "Sensation" Aster

3004. Reddest of all Red Asters, color being a rich garnet which glistens in the sunshine like a live coal. The plants are of free-branching habit, about 18 in. high and the very double flowers, averaging $3\frac{1}{2}$ inches across, are borne freely on stems a foot long, from early in August till the close of September. The intense color shows up well when cut, and makes a very brilliant bit of color in a bed or border. **Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts.**

Lavender Gem Aster

3006. Is always full double. Most beautiful shade of lavender yet to be found among early asters of the Comet type. Flowers first present a delicate shade which deepens with age and are borne on strong stems of good length. More popular every year. **Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts.**

American Beauty Aster

3000. Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. It is the first of a new strain of late branching habit, and of robust growth. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last and are a most lovely shade of bright carmine-rose, almost identical with the World-Famous American Beauty Rose. Each plant forms a perfect bush. **Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.** When ordering ask for our Leaflet on Aster Culture. :

White Beauty Aster

3005. One of the finest white Asters for Mid-Summer cultivation. The plants are extremely strong growing, producing from ten to twelve large flowers, usually measuring 4 inches in diameter and of a fine form. The flower when first opened is strongly whorled, the petals being broad and somewhat folded lengthwise. **Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.**

Purple Beauty Aster

(A Gorgeous Purple of Marvelous Beauty)

3007. This wonderful rich Purple Beauty Aster is of the same growth as American Beauty Aster introduced in 1917. Plants average two and one-half to three feet in height, according to location. Flowers measure usually four to five inches in diameter and are borne on heavy stems which may be cut two feet in length. The flowers are fully double and are a most lovely shade of purple. Purple Beauty should be in every flower garden. **Pkt. 15 cts., $\frac{1}{4}$ oz. 85 cts. Postpaid.**

Six Giant Asters for 50c

We feel that there are many flower lovers not familiar with the brilliant types of American Asters; and to aid our customers, we are offering this collection, which will give excellent results. No garden, large or small, should be without these varieties. We will mail one packet of each of these six Giant Asters described on this page for 50 cents. With each collection we will mail our leaflet on Aster Culture.

Royal Asters

An early flowering form of our Semple's Branching variety, having all the good qualities of the latter, but coming into bloom in July or early August, and lasting for a long time. Their long-stemmed flowers are ideal for cutting.

	$\frac{1}{4}$ oz.	Pkt.
3012 Royal White.....	\$0.50	\$0.10
3013 Royal Shell Pink.....	.50	.10
3015 Royal Rose Pink.....	.50	.10
3017 Royal Lavender.....	.50	.10
3018 Royal Purple.....	.50	.10
3020 Royal Mixed, all shades.....	.45	.10

King Asters

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of almost any other class. The plants are large and the stems exceptionally long and strong.

	$\frac{1}{4}$ oz.	Pkt.
3027 Pink King.....	\$0.50	\$0.10
3028 Rose King.....	.50	.10
3030 Violet King.....	.50	.10
3032 White King. Pure white.....	.50	.10
3033 Mixed King. All shades.....	.45	.10

Semple's Branching Asters

This excellent Aster is of American origin, and is especially adapted to our climatic conditions.

The plants form strong, branching bushes 2 to 2½ feet high, bearing on long, strong stems flowers which under ordinary cultivation, average 5 inches across. They come into bloom during September, and, all things considered, are the most valuable of all Asters, either for cutting or for bedding.

	$\frac{1}{4}$ oz.	Pkt.
3042 Crimson.....	\$0.50	\$0.10
3044 Lavender.....	.50	.10
3045 Purple.....	.50	.10
3046 Rose-Pink.....	.50	.10
3047 Shell-Pink.....	.50	.10
3049 Pure White.....	.50	.10
3050 Finest Mixed. All shades.....	.45	.10

Astermum Asters

A giant Comet mid-season variety of recent introduction. The plants grow about 2 ft. high with long strong stems, come in bloom a little earlier than Crego's Giant type. Few of the flowers run under 5 in. across.

	$\frac{1}{4}$ oz.	Pkt.
3053 White.....	\$0.50	\$0.10
3054 Lavender.....	.50	.10
3056 Pink.....	.50	.10
3058 Mixed. All shades.....	.40	.10

Grego's Giant Asters

The flowers are of immense size, usually measuring from four to five inches in diameter, and borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. The beautiful flowers are curled and twisted, resembling choice Chrysanthemums. The plants usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

	$\frac{1}{4}$ oz.	Pkt.
3060 Giant Pink. A delicate shell-pink.....	\$0.50	\$0.10
3063 Giant Purple.....	.50	.10
3064 Giant Lavender.....	.50	.10
3066 Giant Rose-Pink.....	.50	.10
3067 Giant Crimson.....	.50	.10
3068 Giant White.....	.50	.10
3070 Giant Mixed. All shades.....	.45	.10



FIELD OF SEMPLE'S BRANCHING
ASTERS FOR SEED

Imperial Asters

Plants are stiffly erect in habit of growth, and attain a height of eighteen to twenty inches. The flowers are ball-like in form with incurved petals, and are about two and one-half inches in diameter. These Imperial Asters come into bloom during August and are most excellent for cutting.

	$\frac{1}{4}$ oz.	Pkt.
3075 Blue. Azure-blue.....	\$0.50	\$0.10
3076 Lavender.....	.50	.10
3078 Daybreak. The broad silvery petals are suffused with soft, delicate pink.....	.50	.10
3080 Purity, or "White Daybreak." Large double flowers of purest snowy whiteness.....	.50	.10
3081 Rose.....	.50	.10
3083 Salmon.....	.50	.10
3085 Mixed. All shades.....	.45	.10

Queen of the Market Aster

A first-class flowering Aster, coming into flower in July, of branching habit, flowers of good size and borne on long stems, making them exceedingly valuable for cutting; 1 ft.

	$\frac{1}{4}$ oz.	Pkt.
3088 White.....	\$0.50	\$0.05
3089 Flesh-Pink.....	.50	.05
3091 Rose-Pink.....	.50	.05
3093 Lavender.....	.50	.05
3094 Purple.....	.50	.05
3095 Mixed. All shades. Blended.....	.45	.05

Miss Ida Haas, Lorain Co., O.—"In spite of a very dry, hot summer, the vegetable and flower seed yielded well. The Asters were the nicest I have had for years, and the Chinese Wool Flowers excited no end of admiration."

Select any six 5 cent packets for 25 cts.; any six 10 cent packets for 50 cents.

Acroclinium (*Everlasting Flower*)

An annual "Everlasting," growing about 15 inches high bearing white or rosy-pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. Nice to grow in a mixed border aside from its use as an everlasting.

25 Mixed, Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Ageratum (*Floss Flower*)

These are easily grown from seed and will flower freely the same season as sown. Withstands the hottest summers but will not stand frost to any extent. Spring sown seed blooms eight to ten weeks after sowing. Splendid for carpet bedding, edging or pot work. We offer you three good selections.

28 Blue Perfection. Dwarf, large, deep blue flowers' fine foliage; fine for edging flower-beds or walks. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

30 Little Dorrit. Dwarf and spreading in habit. Flowers azure-blue. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

32 White Dorrit. Dwarf and free-flowering; large pure white flowers. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Alyssum

These hardy annuals are favorites for cutting for bouquets as well as for edging, boxes and baskets. Blooms all summer if not allowed to go to seed.

34 Lilac Queen. Dwarf. A pretty shade of pale Lilac. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

35 Little Dorrit. Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

36 Carpet of Snow. (Little Gem.) Only a few in. high; of a spreading habit. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

39 Saxatile Compactum (Hardy Perennial.) Dwarf and bushy; masses of pale yellow flowers. Height 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz.; 40 cts.

Amaranthus

Tender, decorative annuals useful for border plants, centers of beds and among shrubbery. Strong growers, should have 2 to 3 ft. space for each plant. Height 2 to 3 in.

40 Caudatus (Love-Lies-Bleeding). Blood-red; drooping racemes. Pkt. 5 cts.

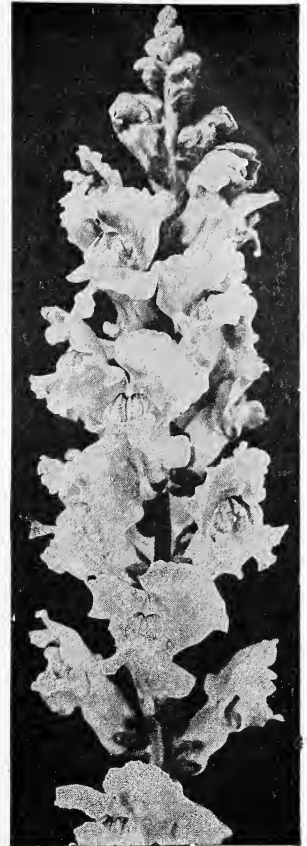
41 Tri-Color (Joseph's Coat). Foliage scarlet, yellow and green. Pkt. 10 cts. $\frac{1}{4}$ oz. 20 cts.



LITTLE DORRIT ALYSSUM
A mass of white flowers

Antirrhinum (*Snapdragon*)

(Hardy annuals.) For gorgeous coloring few flower can match Snapdragons. We direct your attention to the extra quality of our various strains of Antirrhinums. These have been carefully grown, and will be found quite true to color description. For planting out in Herbaceous borders or for massing effects in shrubbery borders Antirrhinums will be found particularly useful. Their culture is easy, they grow well in any garden soil and are of great value as cut flowers. The colors noted in the following set are all distinct.



SNAPDRAGON

See how big and fine the flowers are.

Tall Giant Flowering 3 feet

Pkt.

44 Giant Yellow \$.10

45 Giant Scarlet .10

48 Giant White .10

49 Giant Pink .10

50 Giant Mixed.

A splendid mixture, containing all the colors. $\frac{1}{4}$ oz. 30 cts. .10

51 Giant Striped .10

Mrs. J. B. Dougherty, North Canton, O.—"I had a wonderful bed of your Snapdragons. They were very gorgeous."

Antirrhinum (*Snapdragon*)**Half Dwarf Varieties, 18 inch**

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

Pkt.

72 Cottage Maid. Rose pink white throat \$0.10

73 Crimson Queen..... .10

74 Daphne. Soft blush pink..... .10

76 Defiance. Orange red10

78 Golden Queen. Rich yellow..... .10

81 Mont Blanc. Pure white..... .10

83 Half-Dwarf Mixed. All the colors
 $\frac{1}{4}$ oz. 25 cts..... .10

Mrs. John Schiltz, Walla Walla County, Washington.—"It is surely a pleasure to me to sow the seeds I get from you, because they all grow and the flower seeds I had from you last year all did so well. I had flowers till frost killed them."

Select any six 5 cent packets for 25 cts, Any six 10-cent packets for 50 cents.

Aquilegia (Columbine)

(Hardy perennial.) No hardy plant grown from seed is more easily handled than the Columbine. General favorites for borders. Will also do well under shade of trees. Among the earliest flowering perennials, easily grown. Height 1½ to 2 ft.

116 Coerulea. (Rocky Mountain Columbine). Flowers large, petals white, sepals deep blue, spurs very long. Pkt. 10 cts., ½ oz. 75 cts.

115 Chrysantha. (Golden Spurred). Golden-yellow. Pkt. 10 cts., ½ oz. 50 cts.

118 Long-Spurred Hybrids. Its wonderful array of beautifully blended colors, its long attractive spurs, and its long blooming season make it a winner wherever grown. Pkt. 10 cts., ½ oz. 50 cts.

119 Double. All colors mixed. Pkt. 5 cts. ¼ oz. 25 cts.

Bachelor's Button (See Centaurea).

Baby's Breath (See Gypsophila).



BALLOON VINE

Balloon Vine (Love in a Puff)

120 (Hardy Annual). A rapid-growing climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons. Pkt. 5 cts., oz. 25 cts.

Balsams (Lady Slipper)

(Hardy annual.) An old favorite garden flower, producing gorgeous masses of beautiful brilliant-colored double flowers in the greatest profusion; of easy culture, succeeds in a good, rich soil; 2 ft. Start the seed indoors in April or sow out of doors in May. They should not be closer than 18 in. apart.

125 Double Camellia Flowered Mixed. Finest mixed. Pkt. 5 cts., ¼ oz. 25 cts.

Bean (Runner)

128 Scarlet Runner. (Hardy Annual Vine.) A rapid climber, flowering profusely. Grows 10 to 15 ft. high. Pkt. 5 cts., ¼ lb. 15 cts.

A Wild Flower Garden of great profusion may be produced by sowing broadcast Holco Wild Garden Flower seed in any suitable place. Sow 1 oz. per 100 square feet mixed with fine dirt for evenness of distribution. Price 20 cts. per oz; 60 cts. per ¼ lb. \$2.00 per lb. postpaid.

Bellis (English Daisy)

Hardy perennial which will stand the winter if given the protection of a little litter. In bloom from early spring until well in the summer. Easily raised from seed, which may be sown at any time from spring till August. For best results, new plants should be raised from seed each year.

140 Monstrosa White. Flowers very double, of immense size, 2 to 3 in. across and borne on long, strong stems. Pkt. 15 cts., 2 pkts. 25 cts.

141 Monstrosa Rose. Same description as white. Pkt. 15 cts., 2 pkts. 25 cts.

142 Giant Longfellow. Large double, pink flowers. Pkt. 10 cts., ½ oz. 50 cts.

143 Giant Snowball. Large perfect double; white. Pkt. 10 cts., ½ oz. 50 cts.

146 Giant Mixed. Double fine mixture. Pkt. 10 cts., ½ oz. 50 cts.

Campanula or Canterbury Bells

Hardy perennial. These favorite old-fashioned flowers thrive well in all sections of the country. Our strain of Calycanthema or cup and saucer type is an exceedingly fine one. They come almost true to type, each blossom having its well defined cup and saucer form of bloom. There is a vast difference in the quality of the various strains to be noted under this heading. We believe you will find the seeds we offer you to be as good as you can possibly procure.

155 Calycanthema. (Cup and Saucer). Delightful in form and colors, and elegant subjects for the garden or for pot culture. Height 2 to 2½ ft. Mixed. Pkt. 10 cts., ¼ oz. 60 cts.

Medium. (Single Canterbury Bell). Large, bell shaped flowers in many shades. Elegant border or pot-plants. A proportion of seedlings will vary from color, while some single flowers will be found among the double-flowered seedlings. Height 2 to 2½ ft.

	Pkt.	½ oz.
158 Single Blue.....	\$0.10	\$0.25
159 Single Rose.....	.10	.25
160 Single White.....	.10	.25
163 Single Mixed.....	.10	.25

169 Pyramidalis. (Chimney Bell Flower.) Stately plants with stems 4 to 5 ft. high; fine for borders or as large, decorative pot-plants; large, broad, tubular flowers. Finest mixture of blue and white. Pkt. 10 cts., ¼ oz. 50 cts.



CAMPANULA (Cup and Saucer Canterbury Bells)

Calendula (*Pot Marigold*)

(Hardy Annual.) It has only been since the introduction of splendid improved types of these old fashioned Marigolds that their value began to be appreciated. They thrive well in any good garden soil, and will stand several degrees of frost with out injury. Our selection of these is exceedingly fine. The stems are long and the flowers large and quite double. Extra fine for cutting.

188 Meteor. Large, double, yellow striped with orange. Pkt. 5 cts., oz. 25 cts.

190 Orange King. (One of the best) Very large double flowers of a dark orange-red. Pkt. 5 cts., oz. 40 cts.

191 Lemon Queen. Very large, Double pleasing shade of bright yellow. Pkt. 5 cts., oz. 40 cts.

192 Double Mixed All colors. Pkt. 5 cts., oz. 25 cts.



GIANT HYACINTH—FLOWERED CANDYTUFT

California Poppy. (See *Eschscholtzia*.)

Calliopsis

(Hardy annual.) Very attractive, free-flowering plants of the easiest culture, thriving in any ordinary soil. The new hybrids are very showy and flowers range in color from bright yellow to deep old-gold shades and from blood-red to deep brown. Quite commonly two distinct colors are seen on one plant and even in one blossom. Height 6 in. to 2½ ft.

195 Drummondii, Golden Wave. Bright yellow flowers with brown center. Pkt. 5 cts., ¼ oz. 25 cts.

196 Hybrida. Mixed. A beautiful strain; quite bushy in habit, some medium, others tall. Colors, very bright and attractive, many individual plants having flowers of two different colors; in size, blossoms vary from small to large. Height 1 to 2 ft. Pkt. 5 cts., ¼ oz. 20 cts.

Coreopsis (*Lanceolata Grandiflora*)

(See page 61) Pkt. 10 cts., ¼ oz. 25 cts.

Canary-Bird Vine

200 (Hardy annual). A rapid-growing summer-climber, growing 10 to 15 feet high. It will cover trellis work in the most graceful manner, producing hundreds of its pretty fringed bright yellow flowers, which resemble a canary bird with expanded wings. Pkt. 5 cts., ¼ oz. 25 cts.

Cardinal Climber

Strong and Rapid Climber

203 This glorious and absolutely distinct new annual climber is undoubtedly the greatest acquisition to the flower world in years, and the most beautiful and brilliant climber ever grown. It is a strong and rapid grower, attaining a height of twenty-five feet with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May first. Pkt. 10 cts., 3 pkts. 25 cts.

E. W. Hockensmith, Kent, O.—“The seeds that I got from you last year did fine. I got very good returns from them all.”

Candytuft (*Iberis Umbellata*)

(Hardy annual.) Among the hardy and quickly grown annuals the various varieties of Candytuft are particularly valuable subjects. Those who are not already acquainted with the large flowered varieties and the delightful new shades to be noted in some of the later selections, have a pleasant surprise in store. They are not only valuable for bedding, but make splendid subjects for interior decoration as cut flowers. Height fifteen inches.

210 Giant Hyacinth-Flowered or Empress.

Immense pure white spikes. Pkt. 10 cts., ½ oz. 30 cts.

212 Lavender. Delicate shade. Pkt. 5 cts., ½ oz. 25 cts.

213 Crimson. Rich deep shade. Pkt. 5 cts., ½ oz. 25 cts.

Carnation (*Dianthus Caryophyllus*)

(Hardy perennial.) These may nearly all be flowered the first season by sowing early. Seedlings possess great vigor and, as a rule, produce more flowers than plants from cuttings.

219 Giant Marguerite or Malmaison. Early flowering; seed sown in February will flower in June. Fine for cut-flowers. Splendid mixture from largest flowers. 1 ft. Pkt. 10 cts., ⅓ oz. 25 cts.

220 Marguerite, Half-Dwarf. Finest double mixed. Valuable cut flower varieties; sweet-scented and bloom from July to frost, from February sown seed. Flowers large, with rich colors. Height 1 ft. Pkt. 10 cts., ¼ oz. 40 cts.

221 Chabaud's Everblooming. Produces a high percentage of double flowers, flowering five to six months after sowing. Pkt. 25 cts.

Castor Bean. (See *Ricinus*.)

Celosia (*Cockscomb*)

(Hardy annual.) Handsome and distinct the comb like heads may be grown to a large size and make fine decorative plants and unique beds. Grows 1½ feet; blooms August and September.

230 Cristata Nana, Empress. Enormous crimson heads; dark foliage; dwarf. Pkt. 10 cts., ⅓ oz. 30 cts.

231 Cristata, Mixed. Pkt. 10 cts., ¼ oz. 35 cts.

235 Plumosa, Thompson's Magnifica. A mixture of improved varieties of splendid colors. 3 ft. Pkt. 10 cts., ¼ oz. 50 cts.

Chinese Woolflower (*Celosia Childsii*)

(See Page 60) Pkt. 15 cts. 2 Pkts. 25 cts.



DOUBLE BACHELOR'S BUTTON

Centaureas

(Hardy annual.) There is, perhaps, no more popular annual than the Centaurea. Will grow well anywhere and as a cut-flower is much in demand.

Centaurea Cyanus (Cornflower) Also known as Bachelor's Button. An old, well-known favorite. Greatly prized for cutting purposes. We call special attention to our new double blue. This variety will produce 60 to 70 per cent of double blooms, the flowers being much larger than the old single type.

	Pkt.	oz.
253 Cyanus, Double Blue (Bachelor's Button).....	\$0.05	\$0.25
254 Cyanus, Double White .....	.05	.25
255 Cyanus, Double Mixed.....	.05	.25

Giant Sweet Sultans

(Centaurea Imperialis)

This beautiful class is undoubtedly the finest of all the Sweet Sultans for cutting purposes. Beautiful, deliciously sweet-scented flowers are borne on long, strong stems and are particularly striking, lasting several days after cutting. We recommend sowing in succession every two weeks from May until July, thereby giving a continuous bloom from summer to fall.

	Pkt.	¼ oz.
240 Imperialis, White.....	\$0.10	\$0.25
241 Imperialis, Purple.....	.10	.25
243 Imperialis, Rose.....	.10	.25
244 Imperialis, Mixed.....	.10	.25
245 Suaveolens. (Yellow Sweet Sultan, or Grecian Cornflower). Very showy, large, bright yellow flowers; sweetly scented and a popular sort for cutting, lasting well. Pkt. 5 cts., ¼ oz. 25 cts.		

White-Leaved Centaureas

(Dusty Millers)

Fine for bedding, vases, hanging-baskets and pots; also extensively used for margins. As an edging to a bed of dark-leaved Cannas or Scarlet Sage these are particularly effective. Sow the seed early indoors, and transplant in May.

- 248 **Gymnocarpa.** Fine-cut silvery foliage. ¼ oz. 30 cts., pkt. 10 cts.
- 250 **Candidissima.** Silvery white leaves for bedding. ¼ oz. 50 cts., pkt. 15 cts.

Chrysanthemums

(Hardy annual.) Showy and effective garden favorites, extensively grown for cut flowers. The following hardy annuals are summer-flowering border plants, and quite distinct from the hardy perennial and autumn-flowering varieties.

- 270 **Single Mixed.** (Painted Daisies.) Many colors. Pkt. 5 cts., oz. 35 cts.

- 271 **Coronarum, Double Mixed.** Orange to white. Pkt. 5 cts., oz. 35 cts.

Shasta Daisies

- 359 **Alaska** A splendid hardy perennial variety, with flowers rarely less than 5 inches across, of the purest glistening white, with broad overlapping petals, and borne on long strong stems; a beautiful cut flower, remaining in good condition a week or more. Pkt. 15 cts., 2 pkts., 25 cts.

Cineraria

Very distinct and ornamental house plants, with magnificent heads of velvety bloom, the colors of which include white, very delicate to very dark blue, all shades of pink, carmine and crimson, with bicolors of crimson and white, blue and white, etc. Splendid large flowers.

295. **Holco Dwarf Prize.** Our dwarf cineraria are the finest existing in height, shape of flowers and coloring. Remarkable for their compact habit, height, and enormous sized blossoms. No shade predominates in the mixture. Pkt. 25 cts.

- 298 **Stellata.** (Star Cineraria). Star-shaped flower in many pleasing colors. Pkt. 25 cts.

Cleome (Spider Plant)

(Hardy annual.) Tall, bushy plant, branching freely and continuously in bloom. If protected during first winter it will live another season, height 4 ft.

- 310 **Pungens.** Pink flowers. Pkt. 10 cts, ¼ oz. 25 cts.

Coix Lachrymae (Jobs Tears)

- 315 (Hardy annual.) A strong, broad leaved ornamental grass, with large shining, pearly seeds. Height 2 to 3 feet. Pkt. 5 cts., oz. 10 cts.



GIANT SWEET SULTANS

Cobea-Scandens

An elegant vine of very rapid growth which can be easily raised and flowered from seed the same season. The flowers are quite large, about three inches across, and in shape not unlike those of the Canterbury Bells. It has handsome bronzy foliage and is remarkable for its rapid growth which makes it particularly adaptable for quick work in covering fences, pergolas, etc. Seed should be sown in early Spring for flowering the following Summer. Highly recommended as a shade producing vine.

320 Cup and Saucer (Purple.) Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Cockscomb

(See Celosia)

Albert Sharp, Massillon, O.—"I received my orders promptly; you seed gave me excellent results."

Columbine (See Aquilegia)

Cosmos

(Hardy annual.) Beautiful autumn-blooming plants. Produce thousands of beautiful flowers in white, pink, and crimson shades, furnishing flowers for autumn decorations when other flowers are scarce. Should be sown in spring when danger of frost is past. Plant not less than 18 inches apart. When plants are a foot high, tops should be pinched out to induce a bushy growth.

	Pkt.	$\frac{1}{4}$ oz.
329 Giant Lady Lenox, Pink	\$0.10	\$0.25
330 Giant Lady Lenox, White.....	.10	.25
331 Giant Crimson Ray.....	.10	.25

A pkt. of each color for 25 cts.

334 Giant Mixed..... **.05** **.15**

Extra Early Mammoth Flowering Cosmos

These are the result of continued selection. For earliness and size this strain of Cosmos has been placed in a class by itself. The blossoms under ordinary cultivation average four to five inches across, surpassing in size any of the late varieties.

From seed sown in the open field the white blossoms in exactly sixty days, the pink in sixty-five days, and the crimson in seventy days.

	Pkt.	$\frac{1}{4}$ oz.
335 Early Mammoth, Crimson ..	\$0.05	\$0.25
336 Early Mammoth, Pink.....	.05	.25
337 Early Mammoth, White.....	.05	.25

A pkt. of each color for 10 cts.

338 Early Mixed. All colors. oz. 60 cts. **.05** **.20**

New Double-Flowering Cosmos

(See page 60) Pkt. 15 cts.

Coleus

325 Holco Large Leaved. Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature. Finest mixed. Pkt. 25 cts.

Coreopsis

339 Lanceolata Grandiflora. This is one of the finest of hardy plants. Grows two feet high, and blooms from June to October. Large orange yellow flowers, much prized for cutting, as they last a long time. Easily grown from seed, flowering the first year. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Cyclamen

A popular pot-plant for winter and spring flowering; blooms last a long time.

342 Giganteum. Finest Mixed. Is a magnificent strain of Cyclamen with flowers of extra-ordinary size and substance. The leaves are proportionately large and very beautiful. At horticultural shows where these flowers have been exhibited, they have invariably attracted admiring crowds. Per 100 seeds \$2.00. Pkt 25 cts.

343 Papilio. (Butterfly.) Beautifully fringed or waved; mixed colors. Pkt. 50 cts.

344 Persicum. Flowers almost equal to the Giant varieties in size, but easier to grow, plants bloom more profusely; mixed colors. Pkt. 15 cts.

Cypress Vine (*Ipomoea Quamoclit*)

(Hardy annual.) One of the most popular vines, with very delicate fern-like foliage and masses of beautiful, small, star-shaped flowers. Sow in May, first soaking the seeds in warm water for a few hours. Height 15 ft.

	Pkt.	$\frac{1}{4}$ oz.
351 Scarlet	\$0.05	\$0.30
352 White.....	.05	.30
350 Mixed. White and scarlet.....	.05	.30

203 Cardinal Climber. A beautiful and brilliant annual climber of strong, rapid growth and having showy, fern-like foliage, frequently attaining a height of 15 to 20 feet in a season. The flowers are borne in clusters of 5 to 7 blossoms each and are of a fiery cardinal-red color. Pkt. 10 cts.

Daisy (See page 67)



EARLY-FLOWERING COSMOS

Delphinium (*Larkspur*)

(Hardy perennial.) There is perhaps no better known hardy plant than the Delphinium. The beautiful flowers borne on tall stately spikes are a gorgeous sight. Sow seeds early indoors or in a hotbed. When about $\frac{1}{2}$ -inch high, transplant to flats 3 or 4 inches apart. Set out 6 inches apart in the garden. Plants treated thus usually flower first season during August. In the fall they may be lifted out and set out in groups of colors.

375 Gold Medal Hybrids. This splendid strain is of strong, vigorous habit, with immense spikes from 2 to 3 feet long, of large flowers mostly in fine shades of light blue. We doubt very much if this wonderful strain can be surpassed. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

377 Formosum. Large; rich dark blue, white center; borne on spikes 2 to 3 feet tall; one of the most popular varieties. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts.

378 Belladonna. A splendid variety. The flowers are an exquisite shade of sky blue, and are borne on long wiry stems which makes them particularly valuable for cutting purposes. This variety blooms without intermission from early Spring until late Autumn and the the clumps last from season to season, as it is a true perennial. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.00.

Dianthus or Pinks

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming profusely until fall, rendering them most satisfactory for summer flower gardens. Sow out-of-doors when danger of frost has passed and they will, in several weeks become a mass of bloom, continuing until frost.

Single Pinks (Hardy Annual)

392 Punctatus. (Princess Pinks.) A very novel variety, with fringed flowers, mottled, flaked, spotted and striped in the greatest diversity of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

393 Heddewiggii. (Single Japan Pink.) Finest selected single-flowered, mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Double Pinks (Hardy Annual)

395 Snowball. Fringed double white, splendid for cutting or as a border. Pkt. 5 cts., $\frac{1}{4}$ oz. 40 cts.

396 Fireball. Rich, blood-red flowers. Makes a striking contrast to the pure white variety Snowball. Pkt. 5 cts., $\frac{1}{4}$ oz. 40 cts.

397 Mourning Cloak. Rich, blackish, velvety crimson, margined with pure white. Pkt. 5 cts., $\frac{1}{4}$ oz. 40 cts.

398 Japanese Mixed. Flowers very large and of the most brilliant colors, varying from pure white to the richest crimson, while many are beautifully laced or striped. For bedding purposes they are of immense value during the entire summer, and they also furnish elegant flowers for bouquets. Height, 6 to 9 inches. Pkt. 5 cts., $\frac{1}{2}$ oz. 25 cts.

399 Nobilis. (Double Royal Pinks.) Flower of largest size, varying in color from scarlet to dark blood-red and rose to white. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Hardy Garden Pinks (*Dianthus Plumarius*)

(Hardy perennial.) These varieties are well adapted for beds and borders; delightful, refreshing, spicy odor; should be in every garden where cut flowers are wanted, and make a fine edging to a hardy border.

405 Plumarius FL.PL. (Double Hardy Garden Pinks.)

Double and semi-double varieties in beautiful colors.

Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

406 Plumarius Semperflorens. (Florist's Pink.)

Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of color. Pkt. 15 cts.

408 Plumarius. (Clove Pink, Scotch Pink, or Pheasant

eye Pink.) A beautiful single hardy Pink, with fringed-edged white flowers, with a dark centre. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Digitalis (*Foxglove*)

(Hardy perennial.) Handsome, plants of sturdy growth, succeeding under the most adverse conditions. Spikes four to five feet high with giant flowers in all shades of color. Unequaled for naturalizing in shrubberies at the edge of woods or other half shady places.

415 Finest Large Mixed. The tall spikes are sur-

mounted by one monstrous flower, all colors mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Dimorphotheca (*Aurantiaca*)

425 African Golden-Orange Daisy. This is by far one of the best introductions in recent years. The plants are of branching habit, growing about 15 inches high; the flowers are of rich golden orange with a dark center. Being an annual it is easily cultivated and will give a magnificent display all summer; very highly recommended. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts.



DIANTHUS (Pinks)

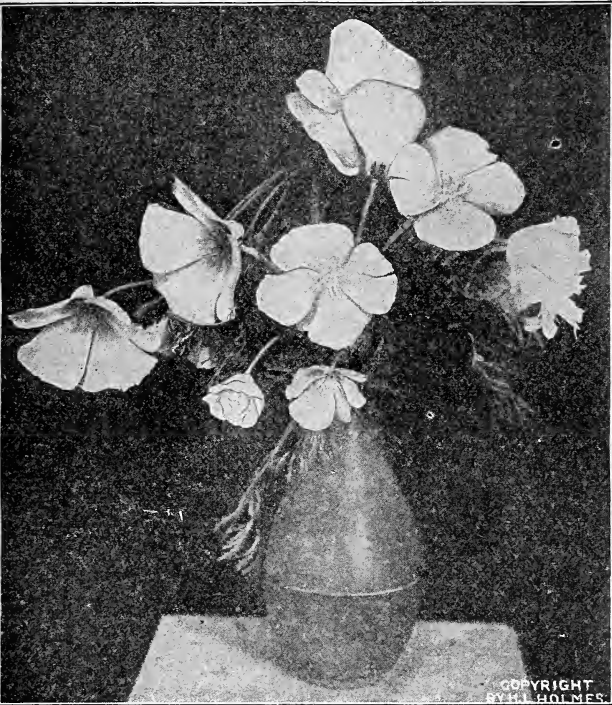
One of the very satisfactory flowers in the garden.

Dolichos (*Hyacinth Bean*)

(Annual climber.) Rapid growing climber, bearing bean-like flowers.

430 Darkness. A variety from Japan; rapid grower; flower reddish violet. Pkt. 10 cts., oz. 25 cts.

431 Daylight. Identical to the above except in color, which is pure white. Pkt. 10 cts., oz. 25 cts.



ESCHSCHOLTZIA or CALIFORNIA POPPY

Eschscholtzia (*California Poppy*)

(Hardy annual.) With fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; height 1 ft.

440 Californica. Rich Golden orange. Pkt. 5 cts., oz. 40 cts.

441 Golden West. Enormous flowers. Deep rich yellow with an intense orange colored center. Pkt. 10 cts., oz. 40 cts.

445 Crimson. Beautiful carmine crimson flowers. Pkt. 5 cts., oz. 50 cts. Extra good.

447 Finest Flowering Mixed. New large flowering erect type containing a large percentage of new shades in Eschscholtzias, including soft pink, scarlet, chrome copper red, claret and royal purple. Pkt. 5 cts., oz. 50 cts.

Euphorbia

(Hardy annual.) Plants with ornamental foliage; very showy and easily raised from seed; height 2 ft.

450 Variegata. (Snow on the Mountain.) Annual; foliage margined and veined white; 2 ft. Pkt. 10 cts., oz., 40 cts.

454 Heterophylla. (Mexican Fire Plant.) Annual. Large, glossy green leaves, turning orange scarlet in mid-season. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Everlasting Flowers

456 All Varieties Mixed. (Hardy annual.) The so-called everlasting or straw flowers are of eternal beauty, those that never fade. Unsurpassed for winter decoration, and when made into bouquets or arranged in vases, they last for years. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Feverfew (*Matricaria*)

460 Double White. (Hardy annual.) Free flowering; for bedding or pot culture; showy double white flowers; 18 in. Pkt. 10 cts., oz. 60 cts.

Forget-Me-Not (See *Myosotis*)

Foxglove (See *Digitalis*)

Four O'clock (See *Marvel of Peru*)

Gaillardia (*Blanket Flower*)

(Hardy annual.) A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear the entire season on stout erect stems often 15 to 18 in. in length.

475 Picta Lorenziana, Double, Mixed. Beautiful colors, flowering from mid-summer to frost; fine for bedding or cutting; $1\frac{1}{2}$ ft. Pkt. 5 cts., $\frac{1}{4}$ oz. 40 cts.

Gaillardia. (Hardy Perennial.)

476 Grandiflora Compacta. Giant flowers, blooming freely; color yellow and crimson; $1\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Godetia (*Satin Flower*)

(Hardy annual.) Very neat and free-flowering annuals that will be satisfactory for edging and for solid beds; for a blaze of color they will vie with the nasturtiums. Should not be planted in too rich soil. In bloom from June to Oct. Plant about 1 ft. apart.

490 Mixed. All colors Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Gourd (*Ornamental*)

(Hardy annual.) Rapid growing climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit.

495 Sugar Trough. Used as water holders. Pkt. 5 cts., oz. 25 cts.

496 Dipper. Very useful. Pkt. 5 cts., oz. 25 cts.

497 Japanese Nest Egg. Pkt. 5 cts., oz. 25 cts.

498 Pipe Calabash. Pkt. 5 cts., oz. 25 cts.

499 Luffa. (Dish-Cloth, Sponge or Bonnet Gourd.) Pkt. 5 cts., oz. 30 cts.

500 Mixed. Pkt. 5 cts., oz. 20 cts.

Gypsophila (*Baby's Breath*)

Although the flowers of *Gypsophila* in themselves are somewhat insignificant in character, they tend to give a beautiful and feathery effect to flower arrangements of all kinds. The blossoms are produced in panicles. The individual flowers are quite small but are produced in great abundance. As a decorative accompaniment to Sweet Peas, Carnations, etc., they are unexcelled.

522 Elegans Grandiflora. (Annual.) Large flowered, pure white form. Can be flowered from seed within a few weeks after sowing. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

520 Paniculata. A hardy perennial variety. Smaller flowers than *Grandiflora*, but equally valuable for cut flower purposes. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.



STRAWFLOWER

Helichrysum (Strawflower)

540 A well known class of everlasting flowers which are prized not only for their value as plants in the garden but for their use as cut flowers for Winter decorative purposes. The flowers after being cut retain their color

and form without fading. We offer this season a very fine strain of the Monstrosum type. The flowers are of gigantic size, the colors rich and varied. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Heliotrope

(Hardy annual.) The seed we offer of this popular favorite has been carefully saved from the very finest named varieties. It is nothing unusual for the plants to bear heads fully 12 inches in diameter, produced on compact growing plants. Seed sown in early Spring will produce full grown plants for July blooming. They can be lifted in the Autumn and used as pot plants during Winter in cold sections. Height 15 to 18 inches.

545 Lemoine's Giants. Lavender Blue. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Hollyhock

A superb strain of the finest types of double hollyhocks extant in clean, decided colors. A sowing made in early spring will flower, with good cultivation, during the ensuing summer and autumn. There is nothing more attractive as a back row plant than hollyhocks.

555 Chater's Snow White. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

556 Chater's Canary Yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

557 Chater's Pink. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

558 Chater's Deep Rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

559 Chater's Double Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

560 Allegheny Mixed. A remarkably free flowering strain of Hollyhocks with semi-double or single flowers. Many of the blossoms are beautifully fringed with the edges of the petals handsomely undulated. Pkt. 10 cts. $\frac{1}{4}$ oz. 30 cts.

Humulus (Japanese Hop)

(Hardy annual.) A rapid growing climber with luxuriant foliage.

571 Variegatus. Leaves mottled with white. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Impatiens (Sultan's Balsam)

A charming plant for house and conservatory decoration.

580 Holstii Hybrids. The colors offered in these New Hybrids are beautiful and of many shades. Pkt. 25 cts.

581 Sultani Hybrida. Colors ranging from pale pink to dark crimson. Pkt. 25 cts.

Ice Plant

(Hardy annual.) Interesting dwarf ornamental foliage plants of great beauty; loves a sunny situation, blooms all summer.

665 Mesembryanthemum. (Crystallinum.) Flowers white; foliage covered with ice-like globules. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

Japanese Hop (See Humulus)

Job's Tears (See Coix)

Kochia

(Summer Cypress or Mexican Fire Bush)

590 Tricophylla. (Hardy annual.) A very handsome, symmetrical plant, forming beautiful globose specimens without pruning or pinching; leaves assume crimson tint in the fall. Height, 3 ft. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Kudzu Vine (Japanese)

595 Pueraria Thunbergiana. The fastest growing hardy climbing plant. It will grow 8 to 10 feet the first year from seed, and after it has become established there seems to be no limit to its growth, 50 feet in a single season being not unusual. Its foliage is large and covers well; it bears small racemes of rosy-purple, pea-shaped blossoms toward the close of August. A splendid subject for covering permanently verandas, dead trees, etc. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.



LANTANA

Lantana

Verbena-like clusters of flowers, some changing color as the bloom ages. They are handsome bedding plants and beautiful for pots. The habit of the New Hybrids is a great improvement, these being fine, dwarf and compact plants. Seed may be sown as late as March.

600 Hybrida Compacta. New dwarf varieties. Fine mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Mrs. Andrew Bauer, Trumbull Co., O.—"All the seeds that I bought from the Holmes-Leatherman Seed Co. gave excellent results."

Harry Jenkins, Harrison Co., O.—"The garden seeds ordered from you are all growing fine."

Mrs. S. J. Lucas, Ashland Co., O.—"Had seed from you this year and am well pleased with the way they germinated. My garden looks fine."

Larkspur

(Hardy annual.) These are among the best-known garden flowers, and in recent years a vast improvement has been effected by careful selection in size and color of the blossoms and the general habit of the plant. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost, a record that is not surpassed by any other annual. They make handsome beds and their free, graceful habit and bright colors are very effective when interspersed in the old-fashioned flower or shrubbery border. They stand well when cut, and a vase of one or mixed colors is indeed charming.

370 Dwarf Double Rocket Mixed. Among the first to flower. Very choice strain. Height 15 inches. Pkt. 5 cts., oz. 25 cts.

373 Tall Double Rocket Mixed. These are early varieties, fine for borders or among shrubs and useful for cutting. Beautiful shades, height 2 to 3 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts. oz. 60 cts.

Lathyrus

(*Everlasting, or Hardy Sweet Pea*)

(Hardy perennial.) Everlasting Sweet Pea, with flowers much like the annual sort, but without fragrance. Produces showy, climbing vines suitable for screens, trellises, etc., and flowers all summer.

605 Latifolius Mixed. Pkt. 10 cts., oz. 50 cts.

Linaria (*Kenilworth Ivy*)

620 Cymbalaria Maxima. (Hardy annual.) Glossy, ivy-like foliage. New, large-flowered varieties. Color, white to rose. Very neat trailing plant for boxes, baskets, etc. Pkt. 10 cts.

Love-In-A-Mist (See *Nigella*)

Lobelia

(Hardy annual.) Extensively used for bedding, being valuable for blue edging. Also elegant for baskets, pots, etc. Requires a good soil for best effect.

630 Crystal Palace Compacta. Foliage dark; flowers rich, deep blue; the best bedder. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

633 Specosia. Blue trailing. Pkt. 10 cts.

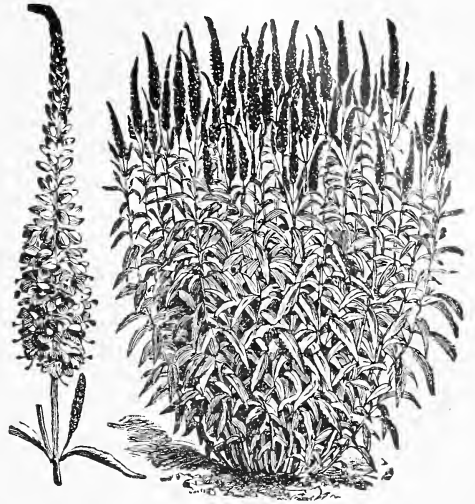
634 Cardinalis. (Cardinal Flower.) Hardy perennial. A native species, succeeding best in moist situations; flowers intense scarlet; August to October, Height 3 ft. Pkt. 15 cts.

Lupinus

(Hardy perennial.) For growing in the mixed border and for supplying cut blooms for house decoration, Lupines are among the most useful of our garden flowers. Lupines give an abundance of long spikes of delicately scented flowers in June and July. Sown in March or April, and treated as annuals, these plants make a fine show in tall borders during the autumn. Perfectly hardy. Height 3 feet.

640 Mixed. All colors. Pkt. 10 cts., oz. 25 cts.

Mrs. Edward Schwalm, Stark Co., O.—“I have grown your seeds for two years now, and have had splendid success. The asters I had last year of your Crego's was the admiration of the country, and I surely hope to win a prize at the Massillon Flower Show this year with Crego's Asters. Your seeds are all you claim them to be.



LUPINUS

Marigold

(Hardy annuals.) The various classes of Marigold include a large number of exceedingly bright and attractive flowers, and in autumn, when many bedding and other plants are past their prime, they afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colours and markings are very interesting, some of the varieties being elegantly striped and spotted. They are most effective in ribbon borders and as edgings to beds of tall flowers, such as Salpiglossis and Zinnia.

Double African Marigolds

650 Lemon Queen. Very large, globular, double yellow flowers. Pkt. 5 cts., $\frac{1}{4}$ oz 25 cts.

651 Orange Prince. Flowers very large, of a rich orange color. Pkt. 5 cts., oz. 50 cts.

652 African Double Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Dwarf Double French Marigolds

653 Legion of Honor. Single; bright yellow with dark crimson spots or blotches; a good bedder. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

654 Dwarf Double Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

655 Striped Gold. Double, brownish-red striped. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Clayton A. Briggs, Salem, O.—“We were very well pleased with all the seeds received from you last year.”

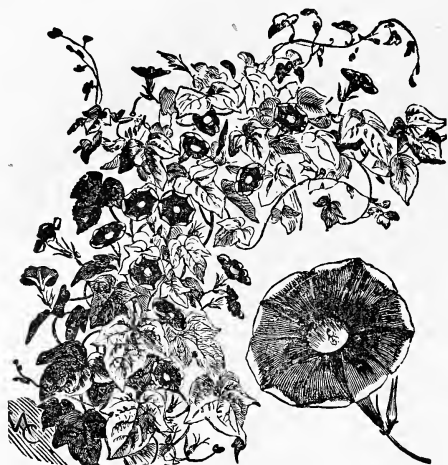
Matricaria (See *Feverfew*)

Marvel of Peru (*Four O'clocks*)

660 Choice Mixed. (Hardy annual.) Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; height 2 ft. Pkt. 5 cts., oz. 20 cts.

Mimosa (*Sensitive Plant*)

680 Pudica. (Hardy annual.) Curious, interesting, with pinkish-white flowers; the leaves close and droop when touched or shaken. Height $1\frac{1}{2}$ ft. Pkt. 5 cts., $\frac{1}{8}$ oz. 25 cts.



MORNING GLORY

Mignonette

(Hardy annual.) One of the most delicately scented of all flowers. The plants grow rapidly from seed sown in the open ground early in spring. Mignonette should be planted in light sandy soil, since the fragrance of flowers grown in heavy soil suffers to a marked degree. The long blossom spikes are produced abundantly during the cool, moist weather of early spring and late fall. Mignonette can be had in flower almost any time of the year. For winter blooming sow the seed in pots or the open border during July, where the plants receive plenty of light and air. Reset 4 to 6 plants in a 5-inch pot during September and place in a cool room. They will begin blooming in November, and with proper care remain in flower until the following March.

671 Large Flowering Mixed. (Sweet-Scented.) One of the finest highly recommended, Pkt. 5 cts., oz. 25 cts.

673 Golden Machet. Distinct variety of Machet, with massive spikes of golden-yellow blossoms. Pkt. 10 cts., ¼ oz. 25 cts.

674 Goliath. A robust-growing variety with enormous flower spikes of a rich reddish-green color and delightfully fragrant. Sown out of doors it produces trusses of the largest size and is prized at the Summer resorts for cutting. Pkt. 10 cts., ¼ oz., 40 cts.

675 Defiance. The individual florets are of immense size, forming a graceful as well as compact spike. Of extraordinary keeping qualities, retaining their grace and fragrance until every bud opens. Pkt. 10 cts., ¼ oz. 40 cts.

Mrs. M. Anderson, Mayville, N. Dak.—“The seeds and bulbs we received we were very well pleased with.”

Mimulus

(Hardy annual.) Showy, profuse-flowering plants; fine for greenhouse or moist, shady situation. Blooming the first year from seed if sown early; 1 ft.

685 Moschatus. (Musk Plant.) Fine for hanging-baskets, etc.; small yellow flowers, fragrant foliage. Pkt. 10 cts., 3 pkts. 25 cts.

686 Tigrinus. (Monkey Flower.) Very beautiful, large-flowered, tigered and spotted; very showy; 9 in. Pkt. 10 cts., 3 pkts. 25 cts.

Moon Flower

Climbers of rapid growth, with beautiful and varied flowers; for covering walls, trellises, arbors, or stumps of trees they are invaluable; it is well to soak the seed in warm water over night to assist in rapid germination.

586 Grandiflora. (Moon Flower.) At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly and will cover a large surface. Pkt. 10 cts., oz. 50 cts.

588 Sky Blue. (Ipomoea rubro-coerulea.) The plant grows quickly and climbs well. The seed should not be sown until the maples are well out in leaf. The beautiful sky-blue flowers, measuring 5 to 6 inches across, are borne in great quantity. The seed can be started in pots early in March and transplanted to the open by the middle of May. Prefers a sunny situation. One of the most gorgeous blue flowers we know is Sky Blue (rubro-coerulea). Pkt. 15 cts. ¼ oz. 50 cts.

Morning Glory (Convolvulus)

(Hardy annual.) One of the most popular climbers. Rapid grower.

695 Japanese Imperial Mixed. Flowers of large size, and great variety of colors. Pkt. 5 cts., oz. 25 cts.

696 Giant Mixed. All shades; mammoth size. Pkt. 5 cts.

697 Heavenly Blue. Charming and distinct. Flowers are extra large in size, a lovely light blue, outlined with a narrow band of silvery white. Pkt. 10 cts., oz. 35 cts.

698 Setosa. (Brazilian Morning Glory). Flowers of pleasing rose color, borne very freely in large clusters. As a quick-growing vine it has no equal, covering an enormous space in a short time. Pkt. 10 cts. oz. 30 cts.

699 Double White Tassel This beautiful flower remains open all day. It is white, very double and fringed. Pkt. 15 cts.

Myosotis (Forget-Me-Not)

These are lovely plants for moist and shady situations. These flower the first year from seed. Sown in spring they flower in the fall; if wanted for spring-flowering sow in July and transplant in the fall; height 1 ft.

700 Alpestris, Victoria. Dwarf and bushy. Also very early, flowering 8 to 10 weeks after sowing; large bright blue flowers. Pkt. 10 cts., ¼ oz. 35 cts.

701 Alpestris, Mixed. Pkt. 5 cts., ¼ oz. 25 cts.

703 Palustris. The true “Forget-me-not” Large bright blue flowers. Blooms from early spring until late in Autumn. Pkt. 10 cts., ¼ oz. 50 cts.

Nasturtiums (Tall or Climbing)

(Hardy annual.) For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 ft.

710 Butterfly. Lemon-yellow, upper petals marked dark red, lower petals marked terra-cotta red. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts.

711 Midnight. Foliage very dark green, flowers deep brownish red. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts.

712 Rose. A lovely shade of rose. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts.

714 Jupiter. Large, golden-yellow flowers, on long stems. Pkt. 5 cts., oz., 20 cts., ¼ lb. 60 cts.

715 Sunlight. Pure, rich butter-yellow flowers, often 3 in. across. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts.

716 Moonlight. Very light cream flowers, of largest size. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts.

717 Twilight. Large, beautiful flowers, salmon-rose, suffused scarlet. Pkt. 5 cts., oz. 20 cts. 20 cts., ¼ lb. 60 cts.

718 Crystal Palace. Bright, orange-scarlet marked with bronze. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts.

“HOLCO” TALL, FINEST MIXED

721 This mixture is comprized of the most brilliant colorings, of both the Lobbinum Nasturtiums and many choice tall named varieties with both light and dark green foliage. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts. postpaid.



NASTURTIUMS

Nasturtiums

(*Tom Thumb, Dwarf or Bedding*)

- 730 Aurora.** Rich yellow, veined carmine. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 731 Crystal Palace Gem.** Sulphur yellow, spotted maroon. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 732 Deep Crimson.** Deep velvety red, brown and brownish crimson. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 733 Rudolph Virchow.** Soft rosy pink. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 734 Midnight.** Plants of extremely dark green foliage. Flowers deep brownish red. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 735 Rose Pink.** Soft rose color. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 736 Pearl.** Creamy white. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 737 Queen.** Dwarf, dense bushes, with variegated foliage and flowers in a large variety of colors. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

- 740 "Holco" Dwarf Finest Mixture.** This mixture is composed of choice large-flowered varieties, selected and grown both in mixture and in separate strains, properly blended. When in full bloom the flowers are extremely gorgeous, remarkable both for brilliancy of coloring and for perfection of individual flowers. This seed is now so moderate in price that it should be sown liberally. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., postpaid.

Nicotiana (*Tobacco*)

- 755 Affinia.** (Tuberoso-Flowered Tobacco.) Hardy annual. Sweet scented, pure white, tubular flowers, blooming continually. Height 2 to 3 ft. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.
- 757 Sanderae.** A splendid type in a great variety of colors. Pkt. 10 cts., 3 pkts. 25 cts.

W. H. Bastard, Lorain Co., O.—"I wish to thank you for the California Poppy seeds, and others that you sent me last year. They were admired by all who saw them, and a source of beauty from spring until frost. We are starting in gardening, and are sending our order to you."

Penstemon (*Beard Tongue*)

(Hardy perennial.) A beautiful plant, producing large spikes of handsome flowers.

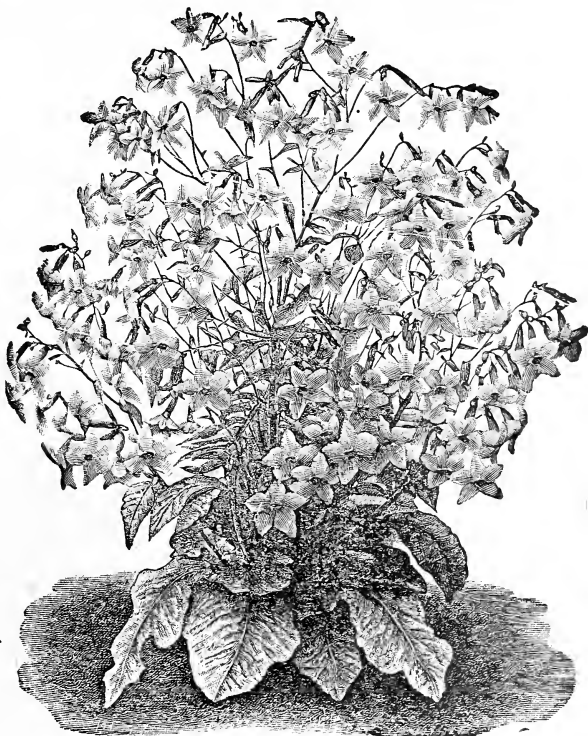
- 820 Large Flowering Mixed.** Producing large spikes of handsome flowers. Height 3 ft. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Nigella (*Love in a Mist*)

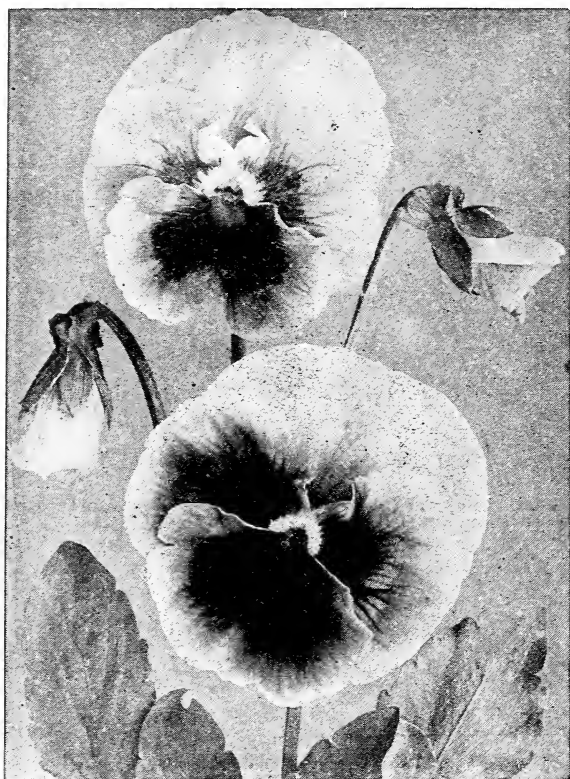
- 765 Damascena.** (Hardy annual.) Showy, with finely-cut foliage, and centaurea-like flowers, blue and white mixed. Height 1 ft. Pkt. 5 cts., $\frac{1}{2}$ oz. 25 cts.

Pea, Everlasting (See Lathyrus)

Geo. Lindner, Marquette Co., Wis.—"We wish to acknowledge the success we had the past two years in growing your seeds. We have found them to be the best we have ever sown, good to grow and good to produce."



AFFINIA NICOTIANA



"HOLCO" GIANT PRIZE PANSIES

The largest finest strain there is anywhere

"Holco" Giant Prize Mixed

770 A new strain of Pansy with immense flowers, most of them ruffled, and as for color, they come in all shades of the rainbow. Heat resisting qualities, however, make this Pansy most valuable, for hot weather affects them but little, and when others vanish from the heat, they bloom on through the summer. Pkts. 25 cts., $\frac{1}{8}$ oz. \$1.00, $\frac{1}{4}$ oz. \$2.00, 1 oz. \$7.00.

775 Giant Exhibition Mixed. This is a fine strain, the flowers being of perfect form and richest colors. For frame culture this variety is unexcelled, producing flowers of great size and perfection; equally good out of doors. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., oz. \$5.00.

777 Masterpiece. (Giant Ruffled.) A remarkable type, each petal being conspicuously curled or waved. The range of color is very extensive, the rich, dark, velvety shades predominating. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.

778 Mastodon Mixed. Extra large, colors are wonderful; something worthy of trial. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.00.

781 Mme. Perret. A new and beautiful strain, originated with a French specialist, flowers of large size borne very freely in great diversity of colors, especially rich in red and wine shades. The stock we offer comes direct from the introducer. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.

780 Trimardeau or Giant Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts., oz. \$3.50.

"Holco" Giant-Flowered Pansies

If your soil is not of the quality of first-class potting soil prepare your beds for sowing as follows:

(1) Your ground being perfectly clean and free of weeds and trash, pulverize the soil to a depth of 6 or more inches. (2) On the level surface spread evenly a layer of pulverized manure, barnyard scrapings preferred, to a depth of at least 1 inch. (3) Overlay manure with half inch of the best soil you have thoroughly pulverized. (4) Roll or rake down and tamp surface true and smooth. (5) Use the hose freely and soak down the bed several inches. (6) Sow your seeds in drills or broadcast. (7) Cover as lightly as possible with your best soil or sand. Sand is best. (8) Use light spray of water to moisten surface. (9) Allowing plenty of ventilation, keep your beds moist, but not soaking wet until plants come up.

Never allow your beds to become dry. Any dryness after seeds sprout is absolutely fatal.

These directions are for sowing in the open field, but will apply when using flats or cold frames. An ounce of seed sows 60 to 75 sq. ft.

We estimate 5 to 6 thousand plants per ounce.

W. A. Collins, Clearfield Co., Pa.—"I grew your Giant Exhibition Pansies last year, and they were the largest I ever saw. I had flowers $3\frac{1}{2}$ inches in diameter on May 30, and could have sold thousands of plants if my space for growing had not been limited."

"Holco" Giant-Fancy Mixed

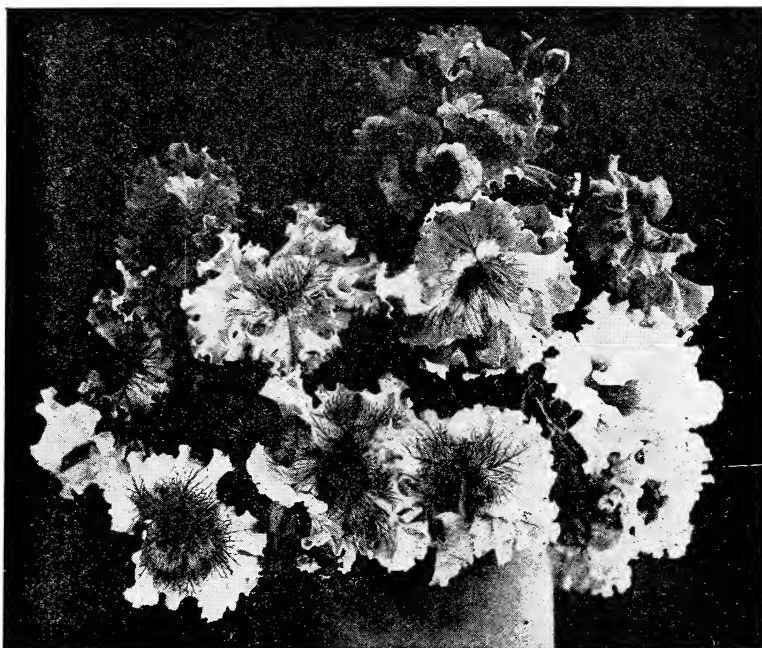
771 These most beautiful of all blotched Pansies have been developed after years of close selection by a skilled market grower who raises no other strain than this which he has improved to such a wonderful degree. The well-formed expanded flowers are uniformly of the largest size. Of varied ground colors, such as white, cream, yellow, deep orange, mahogany, claret, rose, reddish bronze, lavender, and light blue, each petal is beautifully blotched. The seed necessarily is very expensive, but well worth all it costs. Pkt. 20 cts., $\frac{1}{8}$ oz. \$1.00. $\frac{1}{4}$ oz. \$1.75, oz. \$6.00.



"HOLCO" GIANT FANCY MIXED PANSIES

J. F. Hammer, N. H.—"Last summer I bought Pansy Seed from different Seedsmen to see whose strain I liked the best. I will say your varieties gave me the best results."

When ordering, ask for our Leaflet on Pansy Culture



GIANT RUFFLED FRINGED PETUNIA

See how very big and fine the flowers are. This is a handsome type.

825 Giant of California Bears gigantic flowers, often five or more inches in diameter of an astonishing variety of colors. One feature of excellence is the deep throat and the diversity of veining in the throat. Flowers are beautifully ruffled and frilled. Pkt. 25 cts.

830 Finest Mixed. Bright color. Pkt. 5 cts, $\frac{1}{4}$ oz. 35 cts, oz. \$1.00.

"Balcony" Petunias

A superb new strain of medium size Single bedding petunias, growing about 12 in. high, with flowers averaging 3 inches across; of special value for window or porch boxes and vases, or solid beds in the garden. These Petunias will produce an unbroken display of color from early Spring until late Autumn. We offer three separate colors:

Balcony Crimson. A beautiful shade of carmine crimson.

Balcony Rose. Brilliant rose-pink.

Balcony White. Pure snowy-white.

Price. Any of the above 20 cts. per Pkt. A Pkt of each color for 50 cts.

A. Pearce, Akron, O.—"Am very glad I came down to your seed store. You have a fine store, and I received such kind attention. You also have a very good grade of seeds."

Double-Flowering Petunias

832 Large-Flowering, Double, Mixed. A superb mixture of finely fringed varieties in many colors. Pkt. 25 cts., per 500 seeds, \$1.00.

Petunia

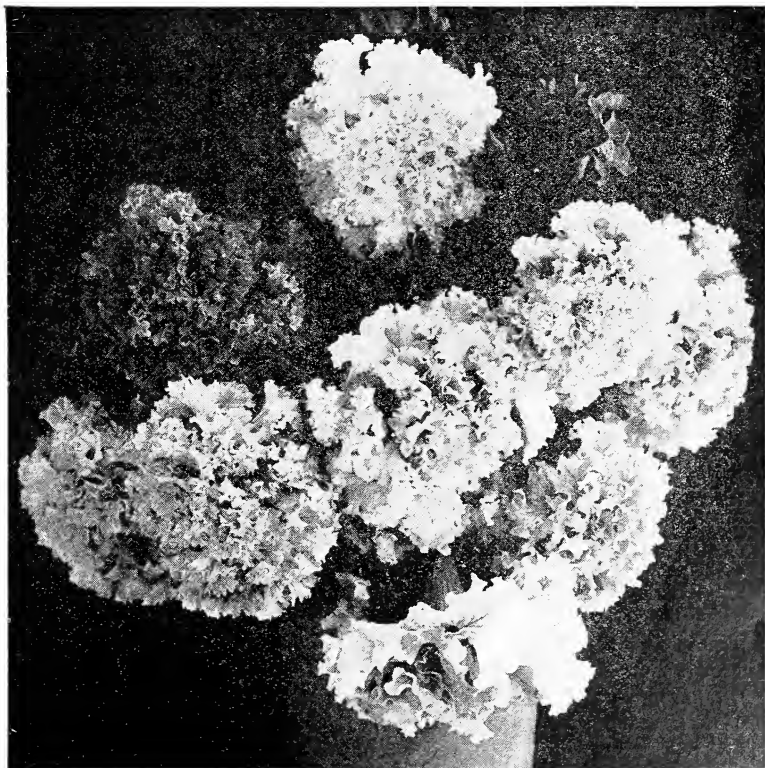
We advise sowing seed thinly in shallow boxes of light, rich soil in any sunny window during February or March. When plants are well started, transplant to small pots or boxes. Do not discard the smaller plants, as these are quite apt to produce the finest flowers, especially in double flowered strains. When weather beams warm, and trees are well in leaf, these plants may be set out in rich soil 12 inches apart each way. Bedding kinds can be sown outdoors in May.

827 Giant Ruffled Fringed.

Our grower has specialized in crossing Petunias, selecting for the purpose each year, the strongest, finest varieties susceptible to further improvement. As a consequence, these Petunias are unexcelled the world over in size and color. Almost every color and color combination has been attained, and their remarkable beauty is certainly difficult to describe. These Petunias were awarded the Gold Medal at the California Land Show. Pkt. 35 cts.

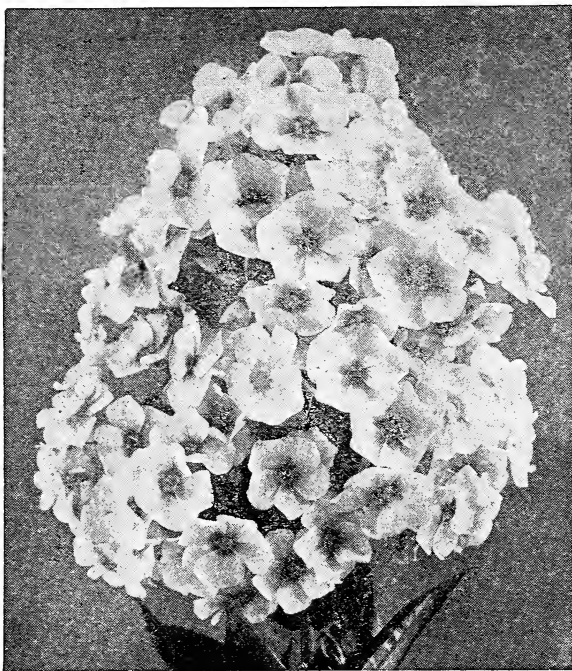
826 Howard's Star. Very free-flowering. A blush-pink star on maroon ground. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Miss Nelle Hammer, White Pine, Tenn.—"Last year I ordered some flower seeds from you and I never saw as beautiful petunias as I raised from your seeds. They were extra large."



LARGE FLOWERING DOUBLE PETUNIA

Flowers are extraordinarily Double



PHLOX DRUMMONDII

Our strain is superb

Phlox Drummondii

(Hardy annuals.) The Phlox Drummondii is one of our best annuals, flowering freely all the summer. For richness of color they cannot be surpassed. They are invaluable for beds and ribbon-gardening, therefore no garden should be without them. They should be sown outdoors in May, in a situation well open to the sun, and they will flower and be a mass of color in July and continue until late autumn. Seeds may be sown in a hot-bed in March and flowers be had in June.

840 Phlox Drummondii. Contains a wide range of colors. An exceedingly choice strain. Height 12 inches. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts. oz. 75 cts.

841 Dwarf Phlox. Valuable class of the large-flowering annual Phlox. The colors are striking, the habit compact and dwarf, the plants frequently attaining only 4 to 6 inches in height, forming masses of flowers from 9 to 10 inches across. Strongly recommended for beds, edgings, or borders. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

845 Starred and Fringed. Of dwarf habit with, very pretty star-shaped flowers. A novel variety; mixed colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

847 Hardy Perennial Phlox. Hardy herbaceous perennial and quite distinct from the varieties of Phlox Drummondii offered above, which are annuals. For best results should be sown as soon as frost is out of the ground in spring or as soon as gathered in the autumn. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Pink (See Dianthus)

Charley Peshamus, N. Y.—"Please send me Holco Seed Book, the seeds I got of you last year were fine. I would like to send my order as soon as possible."

Poppies

Poppies are unsurpassed for brilliancy of color and from the charming little Shirley to the gorgeous peony-flowered they are subjects of lavish admiration. As they do not transplant satisfactorily, it is advisable to sow where they are to remain. Many are elegant for cutting, particularly the Shirleys; these, if picked early in the morning with buds just showing color, will be found durable for 2 days or more.

Single Annual Poppies

850 "Holco" Select Shirley. This is an extra fine strain of these charming poppies. They are single, and range in colors from the purest white through the delicate shades of pale pink, rose and carmine or the deepest crimson and blood-red, while many are edged and striped. Pkt. 5 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.25.

851 Tulip Poppy. (Glaucum.) Vivid Scarlet. An improved strain of the wild Flander's Poppy. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

853 American Legion. This new single shirley is a dazzling orange scarlet of enormous size, borne on nice straight stems. Plants are very erect, of robust growth. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

Double Annual Poppies

854 Cardinal. Large; fringed; scarlet; very effective. Pkt. 5 cts., oz. 30 cts.

855 Carnation Flowered. A splendid border variety. Large, very double, fringed flowers in brilliant colors. Height $2\frac{1}{2}$ ft. Pkt. 5 cts., oz. 25 cts.

857 Mikado. (The Striped Japanese-Poppy.) This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum. Pkt. 5 cts., oz. 30 cts.

858 Peony Flowered. Large, showy, double globular flowers, resembling a double peony, mixed colors. Pkt. 5 cts., oz. 25 cts.

Hardy Perennial Poppies

These varieties may be sown from July to Sept. to flower the following season, though the Iceland variety will flower the first season from seed sown in Feb.

860 Iceland. Very graceful, dwarf plants containing over 20 shades. Height 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

861 Orientale. (Oriental Poppy.) Gigantic, dark scarlet flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

862 Oriental Mixed Hybrids. A splendid mixture of all colors, rose, lilac and mauve shades included; Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

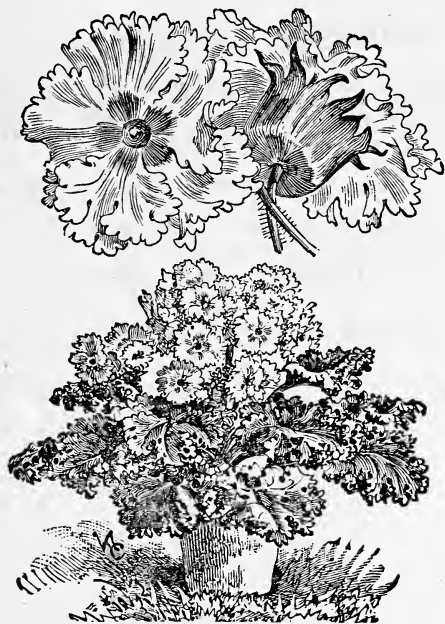
864 Mrs. Perry. (Oriental.) Rich salmon pink. Pkt. 20 cts.

Portulaca (Sun Plant)

(Hardy annual.) Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

870 Single Mixed. All colors. Pkt. 5 cts., oz. 60 cts.

871 Double Mixed. Of the most brilliant scarlet, yellow, white, etc. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts.



FRINGED CHINESE PRIMROSE

Primula (*Primrose*)

These beautiful Chinese Fringed Primrose and Obconica varieties are indispensable for spring decoration in the home or conservatory, and rank among the finest of all winter blooming pot-plants grown by the florist or the home gardener. Our giant Fringed strain is of the highest merit and is carefully selected. Sow in March, April and May.

Fringed Chinese Primroses

875 Giant Mixed. Superb mixture Pkt. 35 cts.

878 Stellata. (Star Primrose.) Very fine as pot-plants or for cutting, remaining fresh for many days. Mixed Pkt. 25 cts.

Various Primroses

880 Kewensis. (Verbena Scented Primrose.) Very attractive, pleasing bright yellow flowers borne on long spikes. Very fragrant, excellent house plant. Pkt. 25 cts.

882 Obconica Gigantea Mixed. These are easy, culture. To develop the colors to the highest degree grow in heavy soil, and at a temperature as near 60 degrees as possible. They will not germinate well in any compost containing leaf mould or peat. Pkt. 20 cts.

885 Malacoides. (Large Baby Primrose.) A fine house plant; flowers delicate lilac. Pkt. 25 cts.

Hardy Primrose

890 Vulgaris. (English Primrose.) Canary yellow; fragrant. Pkt. 15 cts.

Pyrethrum

895 Roseum. (Insect Powder Plant.) New, large or giant-flowered varieties, ranging from light pink to carmine-red. Elegant for cutting, plants perfectly hardy. Pkt. 10 cts., ¼ oz. 75 cts.

898 Aureum. (Golden Feather.) Fine little plant for bordering and edging beds, contrasting very nicely with its bright yellow foliage. 6 in. Pkt. 5 cts., ¼ oz. 25 cts.

Ricinus (*Castor Oil Bean*)

(Annual.) Ornamental plants of stately growth and picturesque foliage with brilliant colored fruit, producing sub-tropical effect; fine for lawns, massing or centre plants for beds.

995 Cambodgiensis. The main stem and leaf stalks are shining ebony, leaves large, regularly divided and richly colored. The foliage assumes different shades as the plant increases in size, so that very striking effects may be obtained when planted in groups. Height 5 feet. Pkt. 5 cts., oz. 25 cts.

996 Zanzibarensis. Surpasses in size and beauty all varieties known. Plants attain great dimensions; gigantic leaves. Pkt. 5 cts., oz. 25 cts.

999 Mixed. All sorts. Pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts.

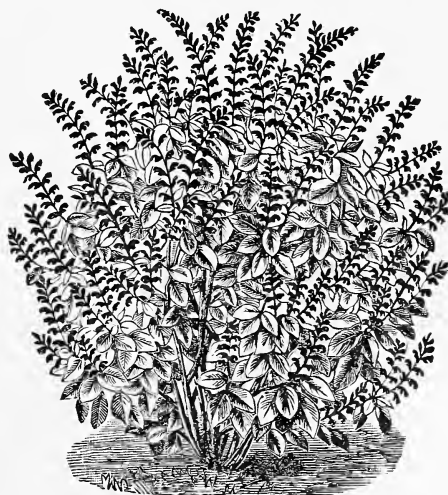
Rudbeckia (*Coneflower*)

1005 Bicolor Superba. Fine free flowering annual variety, growing about 2 feet high, forming a dense bush and producing in great abundance on long stems, its bright flowers. The disk is brown, the florets golden-yellow, with large velvety-brown spots at the base; very effective and useful for cutting. Pkt. 10 cts.

Salpiglossis (*Painted Tongue*)

(Hardy annual.) Easy growing plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; height 18 in. excellent

1010 Emperor, Choice Mixed. Pkt. 10 cts., ¼ oz. 50 cts.



SPLENDENS SALVIA

Salvia (*Scarlet Sage*)

(Hardy annual.) This popular bedding plant is impossible to be replaced. There is nothing more effective in the fall or mid-summer than these bright scarlet flowers. Seeds should be started either in the house from Feb. until April or in hot beds. May be sown in the open ground in May.

1015 Zurich. A new dwarf, free and early-flowering variety. A splendid bedder. Height 1½ ft. Pkt. 15 cts., ½ oz. 75 cts.

1016 Splendens. (Scarlet Sage.) Tall variety, very rich and free; late. Height 3 ft. Pkt. 10 cts., ¼ oz. 60 cts.

1017 Bonfire. (Clara Bedman.) Compact bushy plants 2 ft. high, producing innumerable erect spikes of the most brilliant scarlet flowers. Pkt. 10 cts., ½ oz. 50 cts.

1018 America or Globe of Fire. Of dwarf, bushy compact growth, and very uniform in height and shape. A continuous bloomer, which makes it particularly valuable for planting in line or bedding. Pkt. 25 cts. ¼ oz. \$1.75.

Scabiosa

The large size and the varied colors of the blooms, ranging from white to pink, cherry red and blue, etc., render Scabiosas very desirable for bouquets, etc. Seed sown now in boxes and transplanted to the open ground, will make a bright display during Spring and Summer. Height 3 to 4 feet.

1020 Large Flowering Double Mixed. Pkt. 5 cts., oz. 60 cts.

Scarlet Runner (See Bean)

Schizanthus (*Butterfly Flower*)

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

1026 Wisetonensis. Wonderfully showy plant, robust and bushy, $1\frac{1}{2}$ to 2 feet in height. Fernlike foliage, and bearing a profusion of flowers all with handsome markings, very lasting, and an endless variety of bright colorings. If seed is sown in February, plants will bloom in Summer, and if sown in May or June, will make handsome pot plants for the conservatory. Pkt. 15 cts.

Sensitive Plant (See Mimosa Pudica)

Snapdragon (See Antirrhinum)

Stock (*Gilliflower*.)

(Annual.) The charming colors, delightful fragrance, and free blooming character of the stocks have made them favorite plants for both Summer and Winter cultivation. They are very effective for beds and borders, and their handsome flower spikes are invaluable for bouquets and floral decorations. The large-flowering Ten-week is the earliest to bloom. For succession sow the Giant Beauty of Nice and Cut-and-Come-Again varieties which bloom abundantly until frost.

Large Flowered Dwarf 10-Week Stocks

Used for bedding out for summer blooming, coming into flower quicker than the other types.

	Pkt.
1030 Blood Red	\$0.10
1031 Light Blue.....	.10
1032 Bright Pink.....	.10
1033 Purple.....	.10
1034 Pure White.....	.10
1035 Canary Yellow.....	.10
1036 Choice Mixed, $\frac{1}{8}$ oz. 50 cts......	.05

Mammoth Beauty of Nice Stocks

Grow 2 feet high and have many spikes of large, double, fragrant flowers, excellent for house decoration, and for cutting during the winter months. Seed should be sown from July to September; if sown in February or March will bloom out of doors from midsummer till fall.

	Pkt.
1040 Beauty of Nice. Delicate flesh pink.....	\$0.15
1041 Crimson. (Souv. De Monaco).....	.15
1042 Queen Alexander. Rosy lilac.....	.15
1043 Mont Blanc. Pure white.....	.15
1044 Mont Carlo. Canary yellow.....	.15
1045 Summer Night. Rich deep blue.....	.15
1046 Mixed. $\frac{1}{8}$ oz. 75 cts.....	.10

Cut-and-Come-Again 10-Week Stock

Perpetual-blooming sort, sown in March or April. Will flower in July and till frost; very double fragrant flowers.

	Pkt.
1050 Princess Alice. White.....	\$0.15
1051 Brilliant. Blood red.....	.15
1052 Sapphire. Violet.....	.15
1053 Creole. Canary yellow.....	.15
1054 May Queen. Pale blue.....	.15
1055 Mixed. $\frac{1}{8}$ oz. 75 cts.....	.10

Stokesia (*Cornflower Aster*)

(Hardy perennial.) Plants grow about 15 to 18 in. high, bearing freely from July to Oct., hand some Centaureas-like blossoms, each measuring from 4 to 5 in. across; it is of easy culture, and one of the most desirable plants for the hardy border, and also for cutting.

1060 Cyanea, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Straw Flower (See Helichrysum)

Sunflower (See Helianthus).

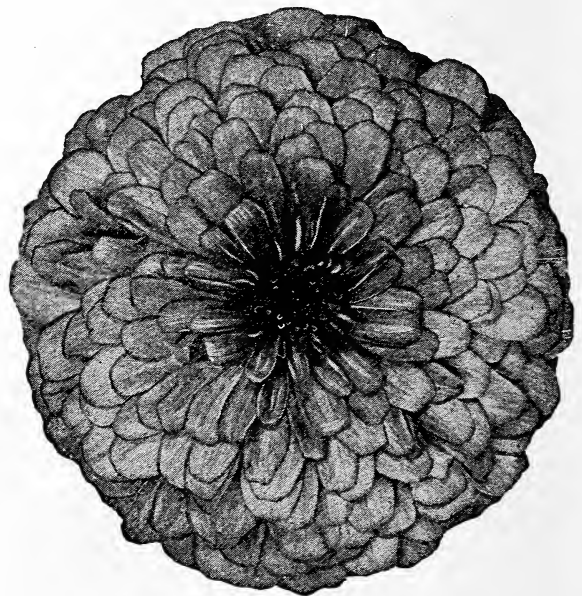
Sunflower. (*Helianthus*.)

(Hardy annual.) The larger varieties are useful in forming backgrounds of large beds or borders and for distant effects, while the smaller sorts may be planted with scarlet salvia, cannas and other tall bedding plants, also furnishing good cutting material.

530 Double Crysanthemum-Flowered. Rich, golden-yellow flowers, perfectly double, resembling a Chrysanthemum or Dahlia. Height 7 ft. Pkt. 5 cts. oz. 35 cts.

531 Miniature (*Helianthus cucumerifolius*) Covered with hundreds of brightest orange, small, single flowers; of pyramidal growth, with bright, neat foliage. Pkt. 10 cts., oz. 35 cts.

535 Red Sunflower. For countless thousands of years Sunflowers of all kinds have brightened earth with flowers of golden yellow. And now nature has suddenly given us a Sunflower with blossoms of a beautiful chestnut red. As easily grown as any of the common Sunflowers. The flowers vary in color from a rich chestnut red, to red variously bordered or tipped with yellow. A striking novelty in the gardens, and the gorgeous, long-stemmed blooms are beautiful and lasting as cut flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.



GIANT MAMMOTH ZINNIA

This is truly wonderful in size. (See page 80)

“Holco” Spencer Sweet Peas for 1922

Spencer—Or as they are sometimes called Orchid-flowered Sweet Peas—can now be had in almost any color. The unique combinations of shades are almost indescribable. “Holco” list comprises the newer varieties that have replaced the old type of Spencer Sweet Peas. We have kept away from duplicating shades, that you may select any variety, knowing it to produce a different shade.

Prices: Any of the following except where noted. **Pkt. 10 cts., oz. 60 cts., ¼ lb. \$1.50** postpaid.



FIERY CROSS
SWEET PEA

1132 Barbara. A large salmon orange. Beautiful color.

1078 Constance Hinton. A black seeded white Spencer of enormous size and fine Spencer form.

1106 Countess Spencer. A soft rose-pink, which deepens at the outer edges and becomes still richer in cool weather.

1080 Dobbie's Cream. Primrose. Grand color and form. The cream Spencer variety.

1108 Elfrida Pearson. Free flowering strong growing and produces strong stems carrying four blossoms as a rule. The color is very pleasing and is white ground flushed with pink.

1081 Fiery Cross. An entirely new shade of red in Sweet Peas and easily the most brilliant red Spencer. It is what is known by some as “Turkey” red or “Military” red.

1134 Hercules. Rich pink, waved. A giant Countess Spencer. The individual flowers when well grown are very fine.

1117 Illuminator. A glorious orange salmon. Color is bright salmon cerise, sparkling with orange.

1118 King Edward Spencer. Rich crimson, waved. Flowers are large and of fine Spencer form. It is a vigorous grower and is a good variety for garden.

1119 King White. A superb white. Purity of whiteness and vigor, form and size remarkable.

1122 Margaret Atlee. A Giant Pink. Apricot pink on cream ground. The pink is suffused perfectly over the cream ground.

1123 Mrs. Cuthbertson. Is a light rose pink and wings are white flushed pale rose pink. This variety is a strong grower and the flowers are very large and exceedingly beautiful.

1086 Miriam Beaver. The daintiest and most pleasing shade of shell salmon pink.

1084 New Margaret Madison. In Margaret Madison we have a greatly improved strain of the popular lavender color.

1088 Robert Sydenham. Rich orange salmon. It is a fine flower and very beautiful.

1136 Rosabelle. Bright rose, waved. Very large, of splendid form and great size.

1089 Royal Purple. The best Purple Spencer Sweet Pea. One of the most distinct and successful Spencer introduced.

1131 Wedgewood. A clear azure blue with a little mauve tint. Large flowers.

1090 Yarrowa. The flowers are exquisitely waved and when well grown average two and one-half inches in diameter. They are produced usually in fours on extra long, strong stems. The color is a bright rose-pink with a clear, creamy base, the wings being slightly lighter in tone. Yarrowa, grown outdoors, begins to flower fully two weeks earlier. **Pkt. 15 cts., oz. 75 cts.**

1076 “Holco” Giant Waved Spencer Mixed. This mixture has been made with extraordinary care by us from the finest named, true, large flowering Spencer varieties introduced to date, and in such quantities as to produce a well-balanced and finely-proportioned color effect. All dull and undesirable colors have been omitted, making the mixture the best ever offered. No better can be had. **Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50** postpaid.

1077 “Holco” Large Flowering Mixed This is the best possible mixture that can be made from existing Grandiflora or Eckford varieties. It has been our endeavor to secure the best balanced mixture of color for the admirers of the Grandiflora type, and those in search of a good mixture at a low price. **Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.00** postpaid.

Sweet William (*Dianthus Barbatus*)

(Biennial) One of the most highly esteemed of all hardy garden plants. They are not only of easy culture, thriving in any garden soil, but produce a wonderful show of color each succeeding Spring. Although the plants last over two seasons, it is generally advisable to make a fresh sowing each Spring, for blossoming the following year. Height 12 inches.

1170 Pink Beauty. Beautiful. Salmon-pink. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

1171 Holborn Glory. Large flowers in beautiful shades. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

1175 Double Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

1176 Annual. (Annual-Flowering Sweet William) A new strain that flowers the first season. Sow early. Finest mixture. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Thunbergia (*Black-Eyed Susan*)

(Hardy annual.) Very attractive, slender, climbing or trailing plants, neat for baskets, porch boxes, etc. Pure white; black-eyed; sulphur, white-eyed; orange, white-eyed.

1178 Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Tritoma (*Red Hot Poker*)

1179 Hardy Perennials. Very early-flowering variety; elegant orange-scarlet flowers. Height 3 ft. Pkt. 15 cts.

Mrs. Louise S. Fitz, Randolph, O.—“All the seeds received of you have done good.”

Verbena

(Hardy annual.) A very popular bedding plant. For best and quickest results seed should be sown early in the house or hot-bed, and transplanted in May. If sown outdoors in May, it blooms from the end of July on.

Mammoth-Flowered Varieties

	Pkt.
1180 Pink.....	\$0.10
1181 Purple.....	.10
1182 Scarlet.....	.10
1183 Striped.....	.10
1184 White.....	.10
1185 Blue.....	.10
1186 Mammoth Mixed. $\frac{1}{4}$ oz. 50 cts.....	.10

1187 Helen Wilmott. Large, bright salmon-rose-colored flowers, having a white eye, with small percentage of varied shades. Pkt. 15 cts.

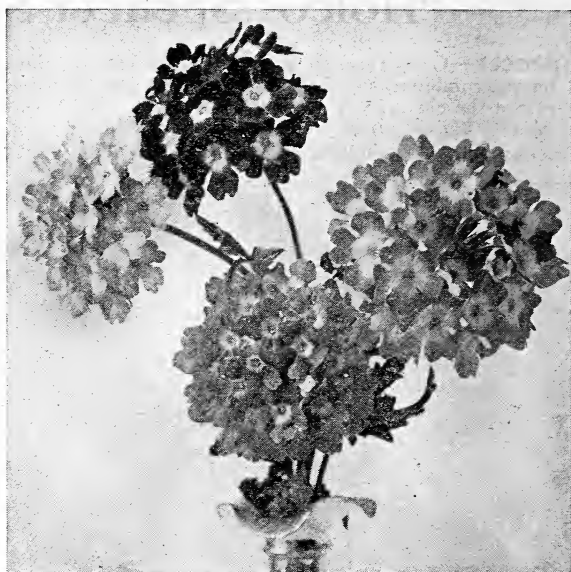
1188 “Lucifer” Intense deep cardinal-scarlet throughout; it is identical to our other Mammoth Verbenas in size of bloom and other good qualities. As a brilliant bed or border we feel sure this will be most satisfactory. Pkt. 15 cts., 2 pkts. 25 cts.

1190 Lemon Verbena. (Citriodora.) Every garden should have a few plants of this fragrant favorite. Its pale green, delightfully scented foliage goes well with any flower. Pkt. 10 cts.

Vinca (*Periwinkle*)

(Hardy annual.) Very handsome plants about 1 ft. high. Dark, glossy foliage, in flower constantly from June to frost. If sprays be cut and placed in water, all the buds will be developed making them effective for a week. Height 1 to $\frac{1}{2}$ ft.

1195 Mixed Colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 15 cts.



MAMMOTH MIXED VERBENA

The colors are most exquisite

Wallflower (*Cheiranthus*)

(Hardy perennials.) A class of free-flowering plants which are particularly valuable for bedding. Flowers bloom in spring, borne in long spikes, sweet-scented; a splendid range of colors from bright yellow through shades of red to brown.

1210 Double Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. \$1.25.

Wild Cucumber (*Echinocystis*)

1215 (Hardy annual.) A very rapid-growing vine with white flowers. Pkt. 5 cts., oz. 15 cts.

Wild Flower Garden Mixture—See Page 64

Zinnia (*Youth and Old Age*)

(Hardy annual.) They are very easily grown and bloom continuously from early summer until frost. These may be sown in the latter part of March in boxes or outdoors in May. If transplanted, it should be done at an early stage.

Giant Mammoth

This is one of our leading specialties. Our strain of this magnificent giant-flowered type is unsurpassed. The blooms are of immense size, when well grown averaging three and one-half to four and one-half inches in diameter and often three to four-inches in depth. We strongly recommend our friends to make a trial of our seed and feel certain they will be more than pleased with the results obtained from same. Height 3 feet.

	Pkt
1224 Giant Yellow.....	\$0.10
1225 Giant Scarlet.....	.10
1226 Giant White.....	.10
1227 Giant Flesh Pink.....	.10
1228 Giant Violet.....	.10
1229 Giant Crimson.....	.10
1235 Black Knight. Very odd shade.....	.10
1230 Giant Mixed. All colors. $\frac{1}{4}$ oz. 40 cts.....	.10
1231 Curled and Crested, Double. Petals curiously twisted, curled; mixed colors. Height 1 $\frac{1}{2}$ ft. Pkt. 10 cts. $\frac{1}{4}$ oz. 25 cts.....	
1233 Dwarf Double Mixed.....	Pkt. 5 cts., oz. 60 cts.

Bulbs and Roots for Spring Planting

When ordering, ask for our Leaflet on Outdoor Bulbs Culture.



ELEPHANT EARS

Caladium Esculentum

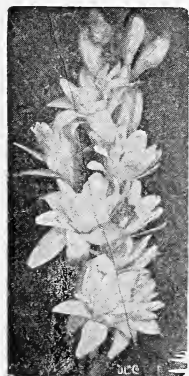
Elephant's Ear

One of the most effective plants in cultivation for beds, borders or for planting out upon the lawn. Very frequently used as border plant about suburban residences, where their large, rich green leaves afford an excellent embellishment when contrasted with the colors of the dwellings. Leaves often measure 3 to 4 ft. long, 2½M ft. wide.

	Each	Per Doz.
First-size Bulbs.....	\$0.25	\$2.50
Large Bulbs.....	.35	3.50
Mammoth Bulbs.....	.50	5.00

Madeira Vine (*Climbing Mignonette*)

A beautiful vine, covering a large space in a short time. Heart-shaped light green leaves and clusters of pure white fragrant flowers. 10 cts., ea., 12 for \$1.00 postpaid.



EXCELSIOR
DOUBLE PEARL
TUBEROSES

Tuberose

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. For early flowers they can be started in Feb' or March in the greenhouse or hotbed; for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

Excelsior Dwarf Double Pearl. First size 10 cts. ea., 3 for 25cts., 12 for 85 cts., postpaid.

Tuberous-Rooted Begonias

The Tuberous-Rooted Begonia is a very desirable plant, either for window, conservatory, or outdoor planting; it grows in well-shaded places. As pot-plants for the conservatory or veranda, they are unrivaled.

Single	White	Double	White
"	Yellow	"	Salmon
"	Salmon	"	Scarlet
"	Scarlet	"	Yellow

Any of the above, 35 cts. ea., 6 for \$1.75 postpaid.
Mixed; 30 cts. ea., 6 for \$1.50 postpaid.

Gloxinias

This beautiful tropical flower is easily grown for flowering in pots during the summer. The flowers are rich and varied as to color, and always call forth admiration during the late summer months. Plants from bulbs will come into bloom more quickly than from seed.

White
Flesh, Deep Pink Border
Scarlet, White Border.

Crimson
Purple

Any of the above: 35 cts. ea., 6 for \$1.75, postpaid.
Mixed: 30 cts. ea., 6 for \$1.50 postpaid.

Cinnamon Vine

From the Oriental land are the most charming of climbers, and will quickly surround your arbor, windows and veranda with a wonderful profusion of lovely vines covered with handsome, glossy heart-shaped leaves and sweet-scented flowers. Perfectly hardy, thrives everywhere in sun or shade, and once planted will grow a lifetime and be a constant delight to the whole family. They come from China—the land of wonders. No words can describe their beauty and marvelous sweet perfume. No home is complete without these wondrous vines. No one should miss this chance of planting them. They will grow 30 feet in a single season. We offer you genuine Headquarters stock direct from the largest grower of Cinnamon Vines in the world. Roots will keep perfectly. Plant any time from earliest spring up to July 15. 10 cts. ea., 6 for 50 cts., 12 for \$1.00 postpaid.



Hardy Garden Lilies

Lilies are stately and most beautiful bulbous plants—producing large flowers of exquisite outline and varied coloring. They are hardy even in cold locations with protection, and usually surviving for many years. Ideal locations are in the shrubbery or herbaceous border, where the roots are sheltered from the hot sun. Groups of 6 or more lilies of a kind, here and there, in such situations are most effective. Large isolated clumps or beds of the varieties Auratum, Speciosum, etc., are also very beautiful. They should be planted 6 to 8 inches below the surface in light soils, or 4 to 5 inches below in heavy soils, in the latter case the bulbs should be surrounded by sand to facilitate drainage.

Lilium Auratum. (The Golden Banded Lily of Japan). The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. They possess a most delicious fragrance. Season of bloom from June to October. 3 to 5 feet. 50 cts. ea., 3 for \$1.35 12 for \$5.00.

Speciosum Album. The best late flowering pure white hardy garden lily; the glistening pure white blooms cluster from 6 to 10 around the stems; height, 4 feet; blooms August and September 50 cts., ea., 3 for \$1.35 12 for \$5.00.

Speciosum Magnificum. An enormous flower, rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album;" height, 3 feet; flowers in August. 50 cts. ea., 3 for \$1.35 12 for \$5.00.

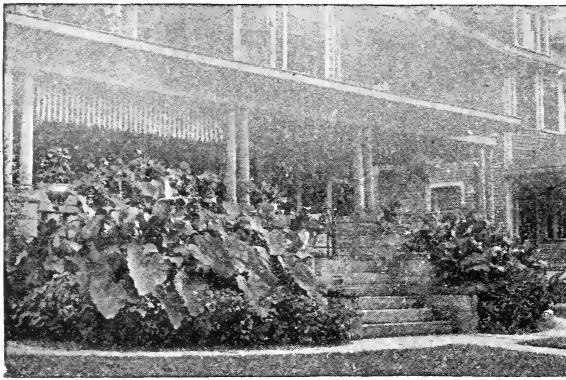
Speciosum Melpomene (Crimson Showy Lily). Carmine-crimson flowers, spotted blood-red. 50 cts. ea., 3 for \$1.35 12 for \$5.00.

Speciosum Rubrum (Showy Lily). White, shaded with deep rose. Very beautiful. 50 cts. ea., 3 for \$1.35 12 for \$5.00 postpaid.

Holco Large-Flowering Cannas

New and Latest Selections

No other bedding plant could be found to give the same results in our varied climate; they do well in any sunny position and in any kind of soil. For best results, plant about the end of May in beds, spaded two feet deep, enriched with well-decayed manure. Water sparingly for first two weeks after planting; thereafter water liberally. For best effect, plant in large masses of one color, setting plants two feet apart.



SHOWING HOW CANNAS AND CALADIUMS ENHANCE
THE BEAUTY OF THE HOME

King Humbert

Scarlet Flowers, Bronze Leaves Greatest Favorite Today.

Four feet, bronze-leaved, the most popular of all Cannas; still in the lead and gathering popularity each year. Color orange-scarlet, shaded crimson. 25 cts., each, 12 for \$2.50. Postpaid.

City of Portland

3½ feet. Green foliage. Salmon pink, the flowers are produced in greatest profusion. It blooms continuously, forming two and three bloom-heads on each stalk, which bud and bloom in succession, so each plant is showing flowers all the time. This is considered the finest salmon-pink Canna in existence. A splendid keeper. 25 cts., ea., 12 for \$2.50, postpaid.

Fire Bird

Three and one-half feet, green foliage. A pure scarlet green-leaved variety. The flowers are borne in immense trusses on strong stalks well above the leaves. They are of splendid form. The petals measure 2½ inches across and the color is a clear glistening scarlet without any streaks, spots or blotches. 25 cts. ea., 12 for \$2.50, postpaid.

Can you furnish me with as good cabbage seed as that you sent me last year? It was the best I ever had, true to type and not a head in it but what was just what I ordered. By using your seed I had as good a field of cabbage as ever was raised in this country, while nearly everybody else had a failure. Nearly every plant had a fine large head, many of them running as large as twelve or thirteen pounds.—J. B. Hannan, Mason County, Mich.

Allemania. 5 feet. green foliage, orchid-flowering, bright scarlet, with broad and irregular yellow border, beautifully mottled and variegated. 20 cts., ea., 12 for \$2.00.

Buttercup. 3 feet, green foliage, the best dwarf yellow flower of pure buttercup-yellow. 20 cts., ea., 12 for \$2.00.

Crimson Bedder. 3½ feet, green foliage. Deep red flowers of good quality. 20 cts., ea., 12 for \$2.00.

Madame Crozy. 3½ feet, green foliage. Flowers brilliant vermillion-scarlet, with narrow edge of bright golden yellow. 20 cts., ea., 12 for \$2.00.

6 Cannas of variety at dozen rates. Roots postpaid.

The President

Five feet. This magnificent red Canna won the gold medal from the National Department of Horticulture; and in respect for its upstanding character, distinguished attributes and splendor, was fittingly named "The President." The flowers are immense, round, firm—often 7 inches across—of extra good quality and borne in the greatest profusion. The color is unfading, pure, glowing scarlet; foliage rich green. 35 cts., ea., 12 for \$3.50. Postpaid.

Eureka

Four feet, green foliage. White Cannas have not, as a rule, been satisfactory, but Eureka is a splendid white that we believe will appeal to every lover of Cannas. Magnificent large flowers of a clear white—none of the dingy characteristics of the whites of former years. 25 cts. ea., 12 for \$2.50. Postpaid.

Yellow King Humbert--Queen Helen

Four feet, green foliage. Has the same habit of growth as King Humbert, foliage a very dark green with flowers measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. Color of flowers a deep rich yellow heavily spotted and blotched with bright red. 25 cts., ea., 12 for \$2.50. Postpaid.

Hungaria

3½ feet. Green foliage. A Pink Canna. Very compact, almost dwarf and of a very luxuriant growth. Leaves bluish green, never burn. Trusses of enormous size borne well above the foliage. Flowers very large, with immense petals. 25 cts. ea., 12 for \$2.50. Postpaid.

Meteor 5 feet. Magnificent bedding variety with massive erect trusses of deep blood-red flowers, produced with a freedom that leaves nothing to be desired. The best deep red large-flowered Canna; 25 cts., ea., 12 for \$2.50.

Mrs. Alfred F. Conard. 4 feet, green foliage, beautiful salmon-pink flowers of great size and wonderful substance freely produced in large clusters. 25 cts. ea., 12 for \$2.50.

Orange-Bedder. 4 feet, green foliage. This dazzling bright orange-bedder suffused with scarlet blooms very freely and makes an ideal bedder. 25 cts., ea., 12 for \$2.50.

Wintzer's Colossal. 5 feet, green foliage. Without a doubt the largest-flowered Canna yet produced. Flowers of vivid scarlet, sometimes measuring 8 inches across. 25 cts. ea., 12 for \$2.50.

Wyoming. 6 feet. A splendid bedder, with bright orange flowers, on massive purplish-bronze foliage, making a strong contrast; 25 cts., ea., 12 for \$2.50.

Cannas in Mixture.

This mixture is made up of named sorts, but not separate; acquired while cannas are being divided for resale; it contains a splendid assortment. 10 ea.; doz. \$1.00, 7.00 per 100.

“Holco” Prize Dahlias

The choicest of their respective classes
Our Dahlia roots are splendid, strong field grown clumps, plump, well ripened

Dahlias require a light, open situation, a well-worked, moderately rich soil, deep and frequent cultivation. If the soil is heavy, use plenty of coal ashes. Plant any time from the first of May until the end of June, covering the tuber with 5 or 6 inches of soil and cutting out all but one or two stalks. For exhibition flowers thin freely.

Decorative Dahlias

J. M. GOODRICH. Gigantic New Decorative Seedling. For all purposes, without exception, this is the best Decorative we have had the pleasure of introducing. It has size and beauty, exceptionally long stems and is free flowering. The coloring is entirely new and wins instant favor. A beautiful salmon-pink, each petal effectively tipped primrose-yellow. The nearest to an ideal Dahlia we have been able to introduce. 50 cts. each.

LE GRAND MANITOU. The color of this superb variety is pure white artistically striped, splashed and blotched deep violet-purple. The plants occasionally bear a solid purple-colored flower. The effect of these phenomenal flowers is most pleasing, giving this variety a supreme place in this class. 50 cts. each.

MINA BURGLE. A seedling named and originated by Mr. Burtle, a California Dahlia lover. This new introduction is one of the finest varieties to date; a champion variety, producing flowers of gigantic size; and remarkably beauty. The best in existence; in color, a glowing and most brilliant scarlet. The flowers are of perfect Decorative type and borne upon long, wiry stems, well above the foliage. A variety which attracts universal attention. 50 cts. each.

CLIFFORD W. BRUTON. A large canary-yellow 25 cts. each.

DELICE. The finest and brightest pink Decorative Dahlia in existence. Flowers are of good size, standing well above the foliage. A charming bright pink, suffused with lavender-pink. One of the best known cut-flower varieties in the Dahlia world. 35 cts. each.

SOUVENIR DE GUSTAVE DOAZON. This variety is a good comparison to the “Sunflower.” It is the largest Dahlia in existence. The color is a pleasing shade of orange-red. Flowers are full to the center and often measure 9 inches and over in diameter; they can be forced to measure over 12 inches. The plant is a very tall, vigorous grower with heavy, dark, glossy green foliage and a remarkable constitution. Very long stems of pleasing, stiff, upright type. Should be in every garden. 25 cts. each.

Collection of Six Giant Decorative Dahlias for \$2.00.

Show Dahlias

MAUD ADAMS. Ideal New Show Dahlia. This wonderful introduction is unsurpassed in quality in every respect; in reality, a model of perfection. We cannot speak too highly of this variety. The color is a pure, snowy white, very effectively overlaid clear delicate pink. Undoubtedly the finest of our this season's introductions and in our estimation one of the finest of the Show type 50 cts. each.

A. D. LIVONI. Beautiful soft pink. Well formed flowers with long stems. Perfectly round, ball-shaped flowers, each petal being very tightly quilled and arranged in exact irregularity. Free flowering. 25 cts. each.

ACQUISITION. An exquisite shade of deep lilac. Very large with cup-like petals. Especially good for cutflower purposes. 35 cts. each.

NORMA. A Dahlia that should be grown by all flower lovers. In my estimation a model of perfection. Flowers are large, perfectly quilled, and of a most exquisite shade of live bright orange. The blossoms are produced in remarkable profusion. 35 cts. each.

The Collection of Four Ideal Show Dahlias for \$1.35

The Peony-Flowered Dahlias

DR. PEARY. Gigantic Holland Peony-Flowered Dahlia. Without exception the very finest dark Peony-flowered Dahlia in existence. A rich, velvety wine-crimson or dark mahogany. Flowers of gigantic size and identical in form and shape to the “Geisha.” A variety which I highly recommend. 75 cts. each.

GERMANIA. Holland Peony-flowered Dahlia. Bright glowing crimson. 25 cts. each.

QUEEN EMMA. Fragrant Peony-flowered Dahlia. A delightful sort that appears almost artificial. It is a charming shade of Hollyhock pink, the inner petals banded with gold. The flowers are sensational, possessing grace, simplicity and beauty, which makes this variety exceedingly fashionable. 25 cts. each.

QUEEN WILHELMINA. Giant Holland Peony-flowered Dahlia. An immense, fluffy flower of pure glistening white, showing its beautiful golden yellow center very prominently, which lends an additional charm to this most beautiful flower. 25 cts. each.

The Four New Peony-Flowered Dahlias for \$1.25.

Cactus Dahlias

ALIGHT. (Incurved.) Gigantic flowers of a beautiful orange-scarlet color. Petals very long and exceedingly narrow. This variety can be highly recommended as a desirable form. 35 cts. each.

COUNTESS OF LONSDALE. (Hybrid.) Deep salmon-red. One of the best. Very free. Should be in every garden. 35 cts. each.

EUREKA. (Straight.) This variety has all the good qualities of the Dahlia, being properly named. Color, very deep purple. Petals are long, straight and tightly quilled. 25 cts. each.

HENRI CAYEUX. (Straight.) A variety of immense size and perfect form. Color, an old gold, shading to golden yellow; plants very vigorous. 25 cts. each.

J. H. JACKSON. (Straight.) The finest black Cactus Dahlia in existence. An exceptionally satisfactory all-round Dahlia; one of the most prominent for garden decoration; superb as a cut-flower variety and equally good as an exhibition flower. Color, a perfectly gorgeous, deep, velvety, blackish-maroon. Gigantic in size. Every Dahlia lover should grow this variety. 25 cts. each.

KALIF. A truly majestic flower, frequently measuring over nine inches in diameter. The flower is of perfect Hybrid Cactus form, and in color a beautiful pure glowing scarlet. The habit of the plant is all that can be desired, growing, with us, about four and one-half feet in height. The gigantic flowers, which are produced freely, are held erect on strong stems of wiry stiffness, making it a most effective and useful variety for cutting, as well as for garden decoration. This variety bears our highest recommendation. 75 cts. each.

MAJORIE CASTLETON. (Straight.) The outer florets are of a pleasing shade of rose-pink, while the tips and central florets are cream white. 35 cts. each.

SNOWDON. (Incurved.) Purest white. 50 cts.

Collection of Eight Chrysanthemum-like Cactus Dahlias for \$2.90.



Sure to Flower **Gladiolus** Plant Gladiolus Bulbs— They Bloom for Everybody

Gladiolus are the most attractive and useful for cut flowers of all summer-flowering bulbs. The richer the soil better the results will be. Fertilize with sheep manure or pure bone meal, hoe and loosen, keep down the weeds, and with ordinary rainfalls they will flower by July because their sturdy growth is assured from the stored-up strength in the bulbs. A succession of blooms may be had from July to October by making plantings in April, May and early June, 10 days apart. Plant bulbs 4 inches deep, 4 to 8 inches apart each way and stake when 2 feet high.

America. Lavender pink. A fine cut flower of strong growth. 7 cts. ea., 12 for 75 cts., postpaid, \$5.00 per 100.

Baron Hulot. Rich indigo. 12 cts. ea., 12 for \$1.25 postpaid, \$7.50 per 100.

Defiance. Very large and massive. Tall, stately spikes with delicate blush-white flowers. A grand sort. 35 cts. ea., 12 for \$3.50, 100 for \$26.25.

Gov. Hanley. Tall, showy, early. Rich cardinal red, with deeper throat color. A first-class bedding and cut-flower sort. 15 cts. ea., 12 for \$1.50, 100 for \$11.25.

Glory of Holland. Pure white; best white we know. 10 cts. ea., 12 for \$1.00 postpaid, \$7.50 per 100.

Halley. Immense flowers of bright orange-rose and having a softer yellowish-tint in the throat. One of the earliest to bloom. 8 cts. ea., 12 for 75 cts. postpaid, \$5.50 per 100.

Lustre. Tall, large-flowered. Color, dark orange vermillion. Grand and beautiful. 25 cts. ea., 12 for \$2.50.

Mary Pickford. An extraordinary flower of most delicate creamy white, with throat of fine soft sulphur yellow 35 cts., ea., 12 for \$3.50, 100 for \$26.25.

Mrs. Francis King. A striking shade of light scarlet or flame color; one of the most effective both in the border and when cut. 8 cts. ea., 12 for 80 cts. postpaid, \$6.00 per 100.

Mrs. Frank Pendleton. Bright rose-pink on a pure white ground. A giant blotch of richest carmine red on lower petals. No grander variety in existence. 15 cts. ea., 12 for \$1.50 100 for \$10.00.

Myrtle. Delicate Rose-Pink. The most beautiful pink yet produced in a gladiolus. 20 cts. ea., 12 for \$2.00.

Orange Glory. (Ruffled) Bright orange, with light throat. Very rich and striking color. 50 cts. ea., 12 for \$5.00 100 for \$37.50.

Rose Glory. (Ruffled.) A very large and beautifully ruffled sort. Purest rose-pink, color, deeper in throat. Extra fine. 50 cts. ea., 12 for \$5.00, 100 for \$37.50.

Princeps. Rich crimson, with white blotches, 10 cts. ea., for \$1.00 postpaid, \$7.50 per 100.

Schwaben. A most meritorious imported variety of wonderful vigor, with strong erect spikes and large well expanded flowers of a clear canary yellow with a small blotch of deep garnet in the throat. 15 cts. ea., 12 for \$1.50 postpaid, \$10.00 per 100.

War. Deep blood-red, shaded crimson-black, immense size, long spike. Late. 15 cts. ea., 12 for \$1.50 postpaid, \$10.00 per 100.

White Glory. (Ruffled.) A gorgeous pure white with beautiful iris-blue throat. Fine as a delicate Iris. 35 cts. ea., 12 for \$3.50, 100 for \$26.25.



GOV. HANLEY GLADIOLUS

New Primulinus Hybrids

The most graceful in form, artistic in color

A new and beautiful race of Gladiolus, are distinguished mainly for their fine and varying shades of yellow, graceful slender stems, and airily poised and hooded flowers.

Contains varied and beautiful tints of yellow, orange and saffron colors. They are remarkable for their butterfly and orchid-like forms. No other strains of Primulinus compare with these. "Holco" Grand Mixture 3 for 25 cts., 12 for 80 cts., 100 for \$6.00. Postpaid.

"Holco" Rainbow Mixture

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page. Only refined and exquisite colors. 12 for 70 cts., 100 for \$4.50, postpaid; 1,000 for \$35.00.

Extra Fine Mixed

This splendid mixture is grown for us by Gladiolus specialists each year, and besides the mixture as originally grown many choice new kinds are added. This insures a wide range of colors, shades and types. 12 for 40 cts., 100 for \$2.50 postpaid, 1,000 for \$22.50.

Peonies

Plant large clumps. You don't have to wait to grow small plants into large clumps. Every one a high class peony.

Edulis Superba. Earliest pink. \$1.00 ea.

Felix Crousse. Large, bulb shaped bloom, very brilliant red; one of the finest. \$1.25 ea.

Festiva Maxima. Very large; clear white tipped with streaks of red. \$1.00 ea.

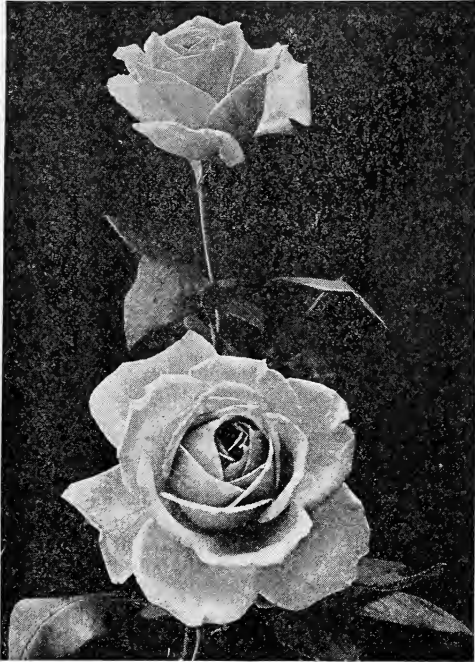
Mons Jules Elie. The peerless pure pink One of the largest, and handsomes. \$2.00 ea.

Hybrid-Tea Roses—*Hardy Everblooming*

Our Roses are exceptionally strong and worth ten times more than Roses grown on marshy, wet soil, such as are generally offered at a low price. This class of Roses are continuous bloomers the entire summer, but are not entirely hardy in this section, and should be protected during the winter months with a covering of straw or any handy material. To obtain the best results, in addition to the covering of the tops, protect the roots with 5 to 6 in. of well-rotted manure. This will give added strength to the plants, and additional blooms the following summer.

The following varieties have been selected with a view to giving the amateur Rose enthusiast an opportunity to get the best varieties that will give a goodly share of blooms throughout the summer and autumn months, as well as to meet the requirements of those wishing the best varieties to select from, and being limited as to the amount they can spend.

When ordering, ask for our Leaflet on Rose Culture.



COLUMBIA ROSE

Columbia

This rose with a possible exception of the Los Angeles, has been more generally talked about than any other new rose of recent introduction. It was awarded the gold medal by the American Rose Society, for being the best new rose of any color or class originating in America during the past five years. It is a large, clear pink rose, very full and beautiful in form. It is one of the most delightfully fragrant roses ever produced. Very vigorous grower. We would recommend this rose to the most exacting. **\$1.00.** each.

Rose Marie.

Among the various Roses which we have had under trial there are but few more meritorious than this magnificent American novelty. The buds are long and pointed, the petals large and well rounded, and the open bloom ideal as to form. One of the finest Roses we know of for cut flower purposes. The color is a delightful shade of pure rose pink. Highly recommended. **\$1.00,** each.

Mrs. S. K. Rindge

A grand novelty in a yellow rose, which we feel quite sure will more than please the most exacting. The flowers are a magnificent deep golden yellow, without any tint of copper. The buds are long and pointed and expand into a flower of immense size. **\$2.50** each.

We will supply one each of the above 8 sorts for **\$12.00.**

Miss Lolita Armour

It is with pleasure that we are able to offer to our customers this season a rose of such outstanding and superlative merit as this magnificent new sort. We believe it to be one of the greatest breaks by way of color ever known in Roses. There is nothing we know of in cultivation like it. Regardless of color, we doubt if there are any more beautiful. The color is difficult of description, but may be briefly described as follows: Chrome yellow at the base, shading to burnt orange and copper. The reflex of the petals is chrome yellow at the base, shading to bright salmon with brilliant copper suffusion. The flower is quite double, the bud similar in shape to those noted in the variety Caroline Testout. As the flowers of this variety age they turn to a delightful shade of shrimp pink and copper. The flowers are more or less cup shaped and display to splendid advantage the colors noted above. We have tested this variety under all conditions. From a few sample plants sent to the East the reports have been, to say the least, glowing in their terms of praise. We have only a very few plants to disseminate this year. Each **\$2.50.**

Los Angeles

This magnificent distinctly New American Rose "Los Angeles" is one of the finest Roses ever introduced. "Los Angeles" is surpassingly brilliant in color, beautiful in form and exceedingly free in bloom. The color is entirely new in Roses, flame pink toned with coral and shaded with transparent gold at base of the petals. The flowers are produced in almost unbroken succession from early summer to late fall. The plant is a vigorous grower with many long stems, each one crowned with superb blooms. Strong two-year-old plants which should give a full crop of flowers this season. You should include "Los Angeles" in your collection. Price, **\$1.00** each.

William F. Dreer

The roses, which are similar in shape to Los Angeles, like that variety, are beautiful in all stages of development. This lovely rose is soft silvery shell-pink, the base of the petals being a rich golden yellow. For delicacy of coloring, no other variety is comparable to this. Many rose specialists consider it superior to the popular Los Angeles. Strong two-year-old plants, **\$2.50** each.

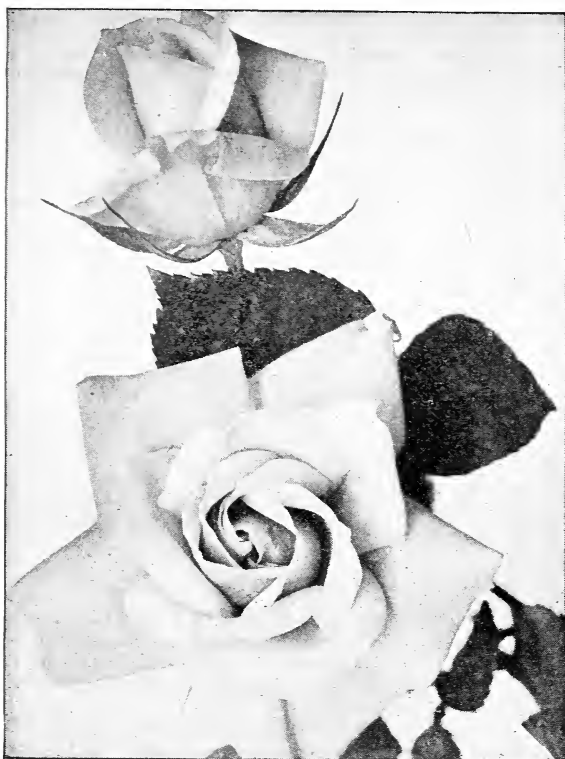
Ophelia. By many rosarians Ophelia is considered the best Rose of its color. The blooms are large in size, full in form, and of very attractive appearance. The color is light salmon-pink-flesh, shading to yellow at the base of the petals. We have found it an excellent variety in every respect, both indoors and outdoors. Blooms profusely all season and far into autumn. In very great demand. **\$1.00** each.

Paul's Scarlet Climber. One of the most sensational novelties in climbing Roses ever introduced. It is a climber with splendid foliage and glorious vivid scarlet flowers. These are borne in wonderful profusion. A plant in bloom arrests the attention at once. Although only introduced a few seasons ago from England, it has already taken a high position amongst hardy climbing Roses. For pergola effects or pillars this Rose is absolutely unexcelled. There is no variety with which we are acquainted that can equal it. This Rose will stand exceptional ly low temperatures without any danger of freezing. No Rose garden large or small, should be considered complete without a plant or two of this superb sort. We cannot do otherwise than give it the highest recommendation possible. It has already proved its worth. Each, **\$1.00.**

Hybrid-Tea Roses—*Hardy Everblooming*

When ordering, ask for our Leaflet on Rose Culture

Prices: Any of the following in strong two-year-old plants \$1.00 each, \$12.00 per dozen.



OPELIA ROSE

F. O. T. Rhodin, New York.—"Your shipment of Rose Bushes arrived this morning all in good condition, and we thank you for your prompt attention."

The "Best" Hardy Garden Hybrid-Perpetual Roses

The plants offered are unquestionably the best that can be selected in the Hybrid-Perpetual class. Exceptionally heavy two-year old stock, which will, under fair conditions, give a full crop of flowers this season; and while their main crop is produced in June, they frequently produce fine flowers throughout the summer and autumn.

Prices: Any of the following in strong two-year-old plants, \$1.00 each, \$12.00 per dozen.

Frau Karl Druschki. This is the ideal hardy white Rose, pure in color and perfect in form.

George Arends. (Or Pink Frau Karl Druschki.) A beautiful pink variety; different in color from any other Rose; a free bloomer and one of the best.

Ulrich Brunner. Bright cherry-red; flowers large and full; a good strong grower and always does well.

Hoosier Beauty. Beautiful, well-shaped, long buds and large, full, perfect flowers of an intense, rich, dazzling, crimson-scarlet and deliciously fragrant. The plant is of vigorous growth, and is conceded to be one of the best Roses of its color.

H. V. Machin. The reddest of all red roses. A rose that should be included in every collection. Has a splendid foliage with a bud long and pointed, and an open bloomer of ideal texture. Delightfully fragrant.

Mad. Caroline Testout. Light salmon pink, very large and perfect flowers. One of the very best for all purposes.

General McArthur A bright crimson. This is indeed one of the red roses for bedding purposes. Blooms continuously over a long period.

Jonkheer J. L. Mock The flowers are of a deep pink and outside of petals silvery rose-white.

Mrs. Aaron Ward Color is a distinct shade of Indian yellow. Plant bushy upright stems.

Kaiserin Augusta Victoria Color is a soft pearly white, tinted with lemon in the center.

Gruss an Teplitz. The most profuse blooming velvety crimson Rose in existence, besides which it possesses an admirable constitution, a point lacking in many red roses. Has good, clean foliage and throws strong upright canes. A grand garden rose.

Duchess of Wellington. Intense saffron yellow, stained crimson. As the flower ages it becomes a deep saffron yellow. Blooms fairly full, buds long and pointed very free flowering. Exceedingly fragrant.

J. B. Clark Deep crimson, maroon; a favorite and one of the best Roses in cultivation; does well everywhere. Ranks very high. Very dark.

Mrs. John Laing. Soft pink, of beautiful form; exceedingly fragrant and remarkably free-flowering; always does well and stands very close to the top among fine Roses.

Paul Neyron. Dark rose, of enormous size.

Hardy Climbing Roses

The following varieties of Rambler Roses, while few in number, might easily be considered as being among the very best. It is our aim to list only those of distinct merit. All Climbing Roses offered are two and three-year-old plants, and must not be confounded with inferior stock offered at cheap prices.

Aviateur Bleriot. (The New Yellow Rambler.) Bears large clusters, full double flowers, color deepens at the center. Strong grower. Price 75 cts.

Climbing American Beauty. A fine new, free-blooming climber of excellent habit, strong and vigorous in growth; rosy crimson flowers, produced freely in June; very fragrant; a fine Rose. Strong two-year-old plants 75 cts.

Crimson Rambler. This favorite is well-known; one of the first introduced; beautiful crimson; flowers borne in huge clusters. Strong two-year-old plants 75 cts.

Dorothy Perkins A splendid climber; bright, glossy foliage that always looks healthy, and beautiful clusters of pink flowers. It is highly recommended for general planting. Strong two-year-old plants 75 cts.

Silver Moon. Silvery white in color. Foliage glossy and beautiful bronze and green. Wherever there is room for planting roses, this should have an honored place. Strong two-year-old plants, 75 cts.

Mr. G. H. Raub, gardener to Mrs. L. Laven, Cleveland, O.—"I have found your seeds again this year as usual, absolutely reliable. Among other things your shrubbery and bulbs were excellent."

Deciduous Flowering Shrubs

(The shrubs that lose their leaves during the winter season)

Shrubby is one of the necessities of the home garden and lawn decoration, for scarcely a house is to be found without some plant of this sort. Shrubs can be selected that will bloom consecutively from early spring until late fall. The planting of shrubs is usually done in the spring, but we recommend planting in the fall as well as spring. Ready for delivery March to May—October and November.

Shrubs sent by express only. Where there is no express office, and it is necessary to send by Parcel Post, we will, upon application, advise the amount needed for postage.

All our Shrubs are large, vigorous and well rooted



HYDRANGAEA ARBORESCENS
Everblooming Snowball

Althea (Rose of Sharon)

Popular flowering shrubs, coming in flower in July or Aug., when few shrubs are in bloom. The plant is covered with beautiful double flowers, which, at a distance, look like roses. They make a pretty flowering hedge. Two-year-old plants, double flowers, in white, pink, purple, and red 60 cts., ea., 10 for \$5.00.

Butterfly Bush—Buddleia

Magnifica. July. Long spikes of light blueflowers, "lighter than Pallid Bluish Violet." Butterflies are attracted by their honey-like fragrance, which adds to its charm. Strong plants, 75 cts. ea., 10 for \$7.00.

Deutzia

Double White (Candidissima.) June A. vigorous, upright grower, with double white flowers borne in panicles. 60 cts., ea., 10 for \$5.00.

Cornus—Dogwood

Sibirica alba. Red-twigged Dogwood. In the winter this is the most showy of all the shrubs, standing out bright and cheerful with its brilliant red bark. 60 cts., 10 for \$5.00.

Forsythia

Suspensa. (Weeping Golden Bell.) Somewhat pendulous in habit. A valuable shrub for borders; the branches droop like arches of gold. 2½ to 3½ ft., 60 cts., each, 10 for \$5.00.

Hydrangeas

Arborescens grandiflora. Everblooming Snowball Hydrangea. This American Hydrangea is believed to be the most beautiful hardy flowering shrub ever introduced. It blooms from early June till autumn frosts. The plant attains a height of 4 to 5 feet, and bears large trusses of beautifully formed flat white flowers. 75cts., each, 10 for \$7.00.

Paniculata grandiflora. Large-flowered Hydrangea. Bush-form. One of the most conspicuous shrubs in any collection during August and September. Its plumes of white flowers bend the branches with their weight. 75 cts., ea., 10 for \$7.00.

Philadelphus—Mock Orange

Coronarius. Common Mock Orange. Bears fragrant, creamy white flowers in great profusion. The form of the bush is rather pleasing because of the upright growth of the branches, which frequently arch. This is the best-known variety and possibly the most popular. Its showy flowers make a grand display wherever it is planted. Strong 2 yrs. old plants. 60 cts. each 10 for \$5.00.

Rosa

Rugosa. Japanese Rose. Forms a beautiful hedge; large, dark green, glossy foliage; terminal clusters of ten to twelve flowers, each 3 inches in diameter. 60 cts., each 10 for \$5.00.

Spiraea

Anthony Waterer. Dwarf dense habit with dark crimson flowers. One of the finest shrubs of recent years. 60 cts. ea., 10 for \$5.00.

Van Houttei. (Bridal Wreath.) Without doubt the finest of Spiraeas. At the flowering season in May and early June, the plant is covered with a mass of white flowers, presenting a beautiful appearance. 60 cts. ea., 10 for \$5.00.

Viburnum—Snowball

Plicatum. (Japan Snowball.) Of moderate growth; handsome; globular heads of pure white, neutral flowers early in June. It surpasses the common variety in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. \$1.00 ea., 10 for \$9.00.

Weigela

Rosea Nana Variegata. Beautiful, clearly defined variegation of green, yellow and pink in its leaves; flowers delicate rose-pink. 60 cts., ea., 10 for \$5.00.

Eva Rathke. The finest Weigela in cultivation; flowering continuously throughout the summer and autumn; of a rich ruby carmine, 85 cts., ea., 10 for \$7.50.

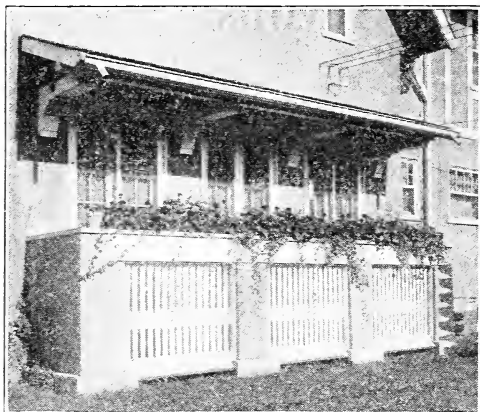
There are numerous other varieties of trees and shrubs that we have in stock which space in this catalog does not admit of inserting. Write us if you don't find what you want.

Mr. G. H. Raub, gardener to Mrs. L. Laseen, Cleveland, O.—"I have found your seeds this year as usual, absolutely reliable. Among other things your shrubbery and bulbs were excellent."

SPECIAL NOTICE OF GUARANTEE

All our stock is guaranteed true to name and up to grade and quality ordered. On account, however, of the many causes beyond our control, we cannot guarantee this stock to live and grow. While we do not hold ourselves responsible for the purchaser's success with any of our stock, yet we will agree to replace any that fails to grow the first season after being properly planted and cared for, at one-half the current price. This offer is made with the understanding that the account be paid within thirty days. All shipments become the property of the consignee upon delivery to the transportation company, and we cannot be responsible for loss, damage, or delay in transit.

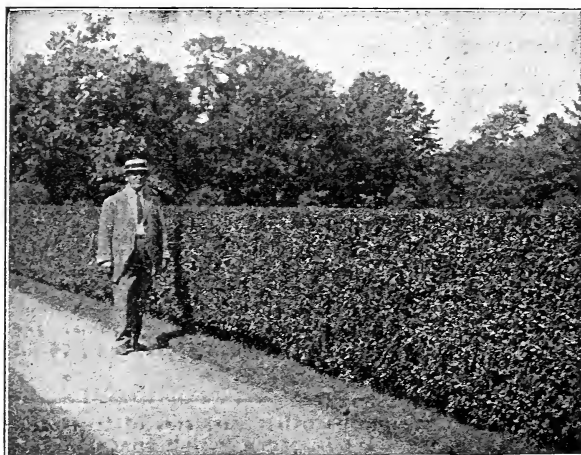
When ordering, ask for our leaflet How to Grow Shrubs



Can you imagine a more beautiful sight than flowers and vines growing in porch boxes.

Clematis

Paniculata. (Small-Flowering Clematis.) This handsome hardy climber is one of the choicest and most satisfactory climbing flowering plants we know. The plant is of strong, rapid growth, with small, dense, cheerful green foliage, giving it a grace and elegance possessed by no other hardy climber. The flowers appear in the greatest profusion during August, and continue until late in the fall, are white in color and most deliciously fragrant. The plant succeeds in almost any position, not only is it well adapted to run up all kinds of supports, but is just as useful for planting among rockwork, sloping banks, covering graves, or, in fact, in any position where a graceful vine is desired. Many failures in the growing of Clematis are the results of too shallow planting. The crown of the roots should be set at least 3 in. below the surface of the soil. Selected, extra strong plants 60 cts. ea., 10 for \$5.00.



CALIFORNIA PRIVET HEDGE

Hedge Plants

Early Spring and Autumn are favorable seasons for planting hedges. The plants are heavy and bulky for shipment by mail; in fact it is safe to ship hedge plants by freight to most points, as they carry well and the cost of transportation is much less than by express.

California Privet. One of the most satisfactory plants for hedges known at the present time. Glossy green foliage, easily kept in shape, and of fine symmetrical shape naturally. Plant 12 in. apart.

Height	Per. 10	Per. 100
18 to 24 in.....	\$1.20	\$10.00
24 to 30 in.....	2.00	12.00

When ordering, ask for our Leaflet on How to grow Evergreen Trees.

Hardy Climbing Plants

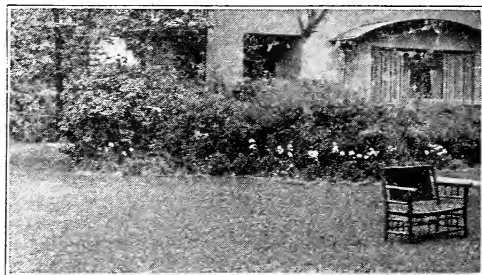
When ordering, ask for our Culture Leaflet on Hardy Climbers

Ampelopsis Veitchii (*Boston Ivy*)

This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places and attaining a height of 30 ft. in 2 or 3 years; clings to stones, brick or woodwork with the greatest tenacity. During the summer the leaves are a rich shade of green and lap over each other with great regularity, like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty. The leaves then change to the brightest tints of scarlet, crimson and orange, so dazzling as to be seen at a great distance. First-size plants, 50 cts. ea., 10 for \$4.00.

Aristolochia Sipho (*Dutchman's Pipe*)

A native species, of climbing habit and rapid growth, with magnificent light-green foliage 10 to 12 in. in diameter, and curious, pipe-shaped, yellowish-brown flowers. \$1.00 ea., 10 for \$9.00.



Flowering shrubs with their graceful branches, attractive foliage and flowers, greatly enhance the appearance as well as the value of the home when planted as in the illustration. Such an effect is within the reach of every home owner, as the individual shrubs only cost 50c to \$1.00 each.

Jackmani. (Large-Flowering Clematis.) A perfect mass of bloom when in full flower. Color dark, rich, royal purple. \$1.00 ea., 10 for \$9.00.

Honeysuckle

Halliana. (Hall's Japan Honeysuckle.) A strong, vigorous, almost evergreen sort; white flowers changing to yellow; very fragrant; flowering from July to frost. Extra-selected plants. 50 cts. ea., 10 for \$4.00.

Wistaria

Sinensis. (Chinese Wistaria). A most beautiful climber of rapid growth. When well established it makes a growth of 15 to 16 ft. Flowers pale blue. 75 cts. each, 10 for \$6.50. Extra strong plants \$1.00 each.

Japanese Barberry

Berberis Thunbergii. Invaluable little shrub that fits in with almost every planting. Will grow just about everywhere, including dry and shady locations. Brilliant foliage and fruit add to its beauty in the Autumn. One of the best plants for a low-growing hedge, for the front of taller shrubberies, for groups and wherever small shrubs are desired. Plant 12 to 15 inches apart.

	Each	Per 10	Per 100
1 to 1½ ft.....	.60	\$4.00	\$25.00
1½ to 2.....	.45	5.00	35.00



Select Small Fruits

All Plants are forwarded by Express purchaser paying charges. We can forward most plants by Parcel Post, and if wanted sent in this way, add 15 cts. per dozen.

While the list of Small Fruits offered is short, yet it is very select, only the very finest sorts being offered. This is preferable to a long list which would necessarily contain varieties of less merit.

Blackberries

Blackberries respond generously to good treatment. They prefer a deep soil, but will grow and fruit almost anywhere.

Blowers, (Everbearing) Large, jet-black, very popular.

Eldorado (Mid-Season) Large, jet-black. Keeps well after picking. Price 10 for \$1.25, 100 for \$8.00.

Currants

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Wilder. An old and well-known standard variety; clusters average about three inches long; berries medium in size; dark red. Strong 2-year old, 50 cts., ea. 10 for \$4.00.

Strawberry Plants



EARLY SORTS. Premier, Senator Dunlap.

MID-SEASON SORTS. Big Joe, Bubach.

LATE SORTS. Brandywine, Gandy, Glen Mary, Sharpless.

PRICE. Any of the above varieties in strong layer plants, 30 cts., per doz. \$2.00 per 100, \$15.00 per 1000.

Fall Fruiting or Everbearing Strawberries

"Peerless" (New). This variety is claimed to be best fall bearing sort, producing right up to heavy frosts,

Progressive. A prolific sort.

Price. Either of the Everbearing varieties, 35 cts. per doz.; \$2.50 per 100; \$15.00 per 1000.

Shipping Seasons for small fruits are from October till freezing weather and from March 25th to May 15th.

Gooseberries

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Downing. Medium to large; whitish green; flesh soft and juicy. Strong two-year-old plants each 45 cts. 10 for \$4.00, 100 for \$35.00.

Five Best Hardy Grapes

Brighton Red, sweet and rich. Large, delicious, very popular.

Concord. The most popular black grape. Succeeds everywhere.

Diamond. We consider this the best early white grape.

Niagara. Best known of all white grapes. Berry tender and juicy.

Warden. Black grape of immense size; excellent yielder Ten days earlier than concord. Price Strong, two-year-old vines 40 cts., ea., 10 for \$3.50.

Raspberries

Raspberries will succeed in any soil that will grow good corn. For best results the old wood should be cut out just as soon as the crop has beengathered. This will give more vigor to the young canes for next year's bearing.

Cumberland (Early Black). The best of all black caps Perfectly hardy.

Cuthbert (Mid-Season). Well-known red variety, popular and profitable. Price 10 for 70 cts., 100 for \$5.00 1000 for \$40.00.

St. Regis (Everbearing Red Raspberry). This is not only the earliest raspberry, but it is a prolific, perpetual-fruited sort. Its main crop is greater than that of any other red sort. Continues to bear fruit until late in the fall. Foliage dark green. The berries are bright crimson, of good size, firm, rich and delicious. Quite hardy. Price 10 for 75 cts., 100 for \$6.00.

PLEASE NOTE—Some States forbid the shipment of currants, gooseberries into their boundary. Before ordering it might be well to ascertain if there is such a law in your State.

Books on Farm and Garden

You will find here listed helpful reading on such subjects as Soils, Gardening, Fruit Growing, Farming, Poultry Raising etc. These are beautifully illustrated and very interesting. It is a good plan to start a library and add to it from time to time such books as are found most helpful and practical. Any of the following sent post paid at prices quoted.

Asparagus (F. M. Hexamer).....	\$.90
Book of Alfalfa (F. D. Coburn).....	3.00
Cabbage, Cauliflower and Allied Vegetables (C. L. Allen).....	.90
Canary Birds.....	.50
Celery Culture (W. R. Beattie).....	.90
Fruit Growing, Principles of (Bailey).....	2.50
Greenhouse Construction (L. R. Taft).....	2.25
Greenhouse Management (L. R. Taft).....	2.25
Home Vegetable Garden (A. Kruhm).....	1.50
Home Floriculture (Eben Rexford).....	1.75
How to Plan the Home Grounds (Parsons).....	1.25
Mushroom Growing (B. M. Duggar).....	2.00
New Onion Culture (T. Greiner).....	.90

Practical Landscape Gardening (Cridland).....	2.50
Principles and Practice of Pruning (Kains).....	2.50
Pruning Manual (Bailey).....	2.50
Poultry Book (Biggle).....	.50
Roses, how to grow.....	1.25
Silos, Ensilage and Silage (M. Miles).....	.90
Small Fruit Culturist (A. S. Fuller).....	1.60
Soils (C. W. Burkett).....	1.75
Spraying Crops (C. M. Weed).....	.90
Spraying of Plants (Lodeman).....	2.00
Strawberry Culturist (A. S. Fuller).....	.40
Vegetable Gardening (R. L. Watts).....	2.50
A Woman's Hardy Garden (Mrs. Elv).....	2.00

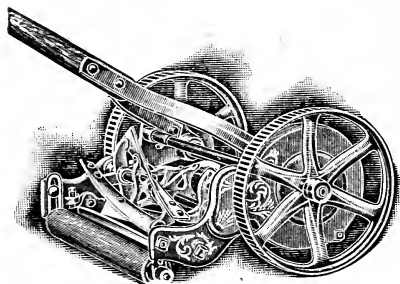
Horticultural Implements and Garden Requisites

Coldwell Self-Adjusting Ball-Bearing Lawn Mowers

Double Cutting Blade---Light Running---Always Sharp---Noiseless
Durable---Crucible Steel

We guarantee every Genuine Coldwell Mower.
Will replace, free of charge, all defective parts.

While the Coldwell is especially adapted to cutting fine lawns, its low wheel base adapts it to going over lawns too rough for most mowers. Its compound triple gear permits of the maximum strength with the minimum weight. These gears are entirely enclosed so that no dirt or cut grass can get into the pinions and clog them. It has a 10-inch wheel, 4 blades, steel, oil-tempered; lower blade is double and is also steel, oil-tempered. The Coldwell will cut grass 6 inches high, will not jump, as many low-priced machines will do. Prices---14-in. \$16.50, 16-in. \$17.50, 18-in. \$18.50.



COLDWELL LAWN MOWER

Suburban Mower Ball Bearing	Cadet Mower High Wheel; Ball Bearing
14-inch.....\$12.50	14-inch.....\$ 9.50
16-inch.....14.00	16-inch.....10.50

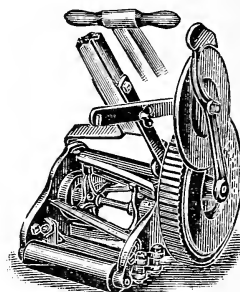
Motor or Pony Mowers price on application.
We carry in stock Mowers all sizes and prices.

Pennsylvania Lawn Mower

The Regulation Style for Every-day Mower

A double-gearred mower which gives fine results.
10½-inch high wheel, 5-blade cylinder, ball-bearing.

15-in.....\$18.75	17-in.....\$20.80
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Capitol Lawn Trimmer and Edger.

This can be converted into either a trimmer or an edger in a few seconds by turning the machine over and making a slight adjustment of a brace rod.

Price.....\$9.50



Rubber
Hose

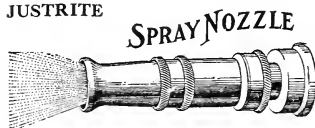
"Holco" Non-Kinkable

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with hose couplings if advised when ordering. ½-inch and ¾-inch.

Per foot 16 cts. and 18 cts.

Florist hose price on application.

JUSTRITE

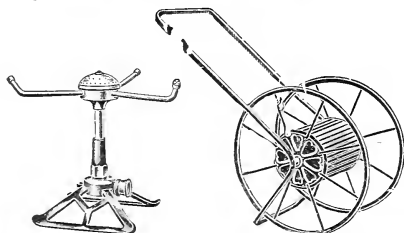


SPRAY NOZZLE

Hose Nozzles

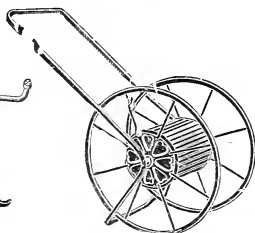
¾-in Hose. Can be regulated to give three different streams.

Each 65 cts. and 85 cts. Parcel Post add 5 cts.



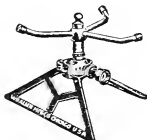
"UNIVERSAL"
SPRINKLER

10 in. high, .. \$2.75



WIRT'S
HOSE REELS

100 foot, .. \$3.50



PRESTON
SPRINKLER

5 ½ in. high, .. \$2.00



CARBORUNDUM SCYTHE STONES

Cuts it fast and clean. 10 in.35 cts.



"Jimmy"
Weeder
25 cts.



Sickles

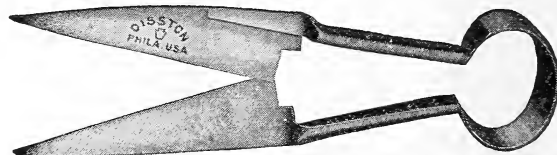
All kinds and sizes.

Village Blacksmith, ..	\$0.75
Clearcut, .....	.50
Little Giant, .....	.75
Holco, .....	.50



"HOLCO"
Sickle

VILLAGE
BLACKSMITH
SICKLE

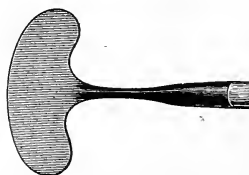


Grass Shears. All kinds and sizes. 75 cts. to \$1.50

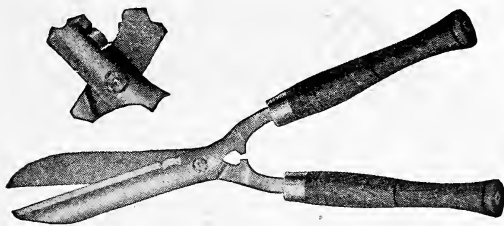
Edging Knives with 4-foot Handle

For trimming edges of path.

American, No. 40.....	\$1.50
English Pattern,	1.00



All prices subject to Market changes.



Hedge Shears

No. 107	5½ inch (Ladies)	.....\$1.50
No. 101	8 inch	.....2.50
No. 101	10 inch	.....3.00



"Holco" Pruning Swivel Saw

Very handy to use where the limbs are close together. The blade is adjustable to cut from any angle; it saves the trouble so often found when using ordinary saws. \$2.00 ea. Extra Blades 35 cts. ea.



Horticultural Knives, Scissors and Pruning Shears

No.	Each
727	Knives, 2 blades, Brass-lined, white.....\$1.75
778B	Knives, 1 blade, Brass-lined, ebony......90
3336	Thinning or Grape Scissors.....1.75
109	Pruning Shears, Wiss.....4.00
200	Pruning Shears, Henckels.....2.50
213	Pruning Shears, Henckels.....3.00
R85	Pexto American, 9 in.....2.50
50	Pexto American, 9 in.....1.50
65	Pexto American, 9 in.....2.00
R70	Pexto American, 9 in.....2.25
14	Ladies, 6 in.....1.50

Grafting Wax

The best grade on the market. ¼ lb. 20 cts., ½ lb. 30 cts., 1 lb. 50 cts., postage 5 cts. per lb.

Rubber Plant Sprinklers

Either Straight or Crook Neck

10 oz. capacity	.....\$1.25
8 oz. capacity	.....1.00
6 oz. capacity	......85
Parcel Post add	......05



TIGER NOZZLE \$1.25



SIMPLEX NOZZLE \$1.25



BORDEAU or WHITEWASH NOZZLE \$1.00

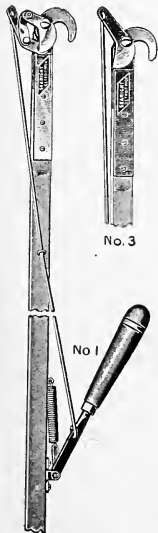


Compressed Air Sprayers

These Sprayers will spray potatoes, shrubbery, trees, etc., perfectly, and are tested with 50 lbs. pressure before leaving factory. All sprayers guaranteed.

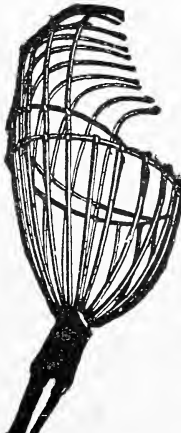
Galvanized, complete with hose and nozzle.

Auto Spray	.....\$6.50
Hudson	.....6.00
Auto Spray, Brass	.....\$9.50
Hudson	.....9.00
Auto Pop Nozzles	\$1.50 each.



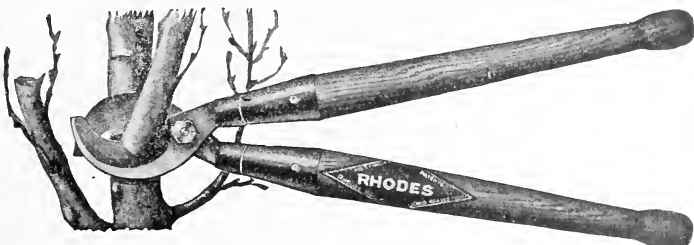
Compound Lever Pruner

The cutting head is made truss-shape, from strong high grade steel the operating compound levers working between the two side plates. It is light in weight, compact in size, and unusually effective as to cutting qualities. Price 10 foot pole, Compound Lever \$4.50 Clyde..... \$2.50



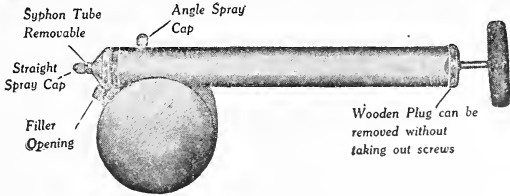
"Holco" Fruit-Picker

Price 75 cts Postpaid.



Rhodes' Double Cut Pruner

The most powerful Pruner made. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out blades are of the best forged steel. 30-inch, \$5.00.



"Holco" Continuous Sprayer

New combination Automizer and Compressed Air Sprayer that sprays continuously and in any direction. Ball valves. 5 lbs. Galvanized \$1.25; Brass, \$1.50.



"Holco" Steel Trowels

These are somewhat long in blade and handle, making a very practical tool. Will last a lifetime.

Each 85 cts. Other styles and sizes 5 in. 25 cts., 6 in. 35 cts., 50 cts.

Johnson's Steel Trowels

Extra Quality
75 cts.



"Slim Jim" Trowel

For making small deep holes and transplanting. 6-inch 25 cts. 7-inch 35 cts.



Hazeltine's Weeder 45 cts.

Will work close to delicate plants.



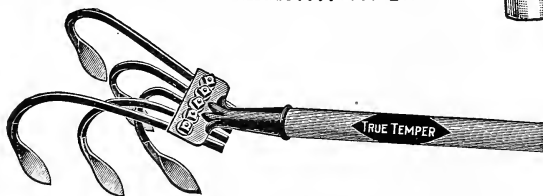
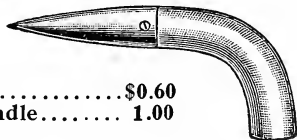
Excelsior Weeder 20 cts.

Magic Weeder 35 cts.



Dibble

Iron Point Iron Handle.....\$0.60
Brass Point Wooden Handle..... 1.00

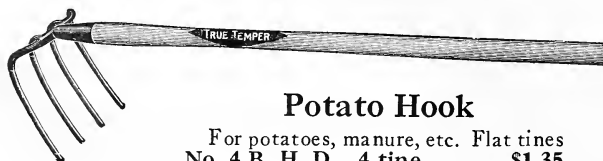


Invincible Cultivator \$1.00



Steel Spades

Myers\$2.50
Steel Shovels, round points (long handle) 2.50



Potato Hook

For potatoes, manure, etc. Flat tines
No. 4 B. H. D., 4 tine \$1.35

All Prices subject to Market changes



Steel Garden Rakes

Temper Straight \$0.75
No. S. B. 14 Straight..... .85
No. B 13 Bow 1.00
No. 14 Straight "Heavy" 1.35
Wire Lawn Rake—24 teeth.... 1.00
Wire Lawn Rake—36 teeth.... 1.35



Hoe and Rake--Combined

No. 4P—4 prong \$0.85
No. 6P—6 prong 1.00



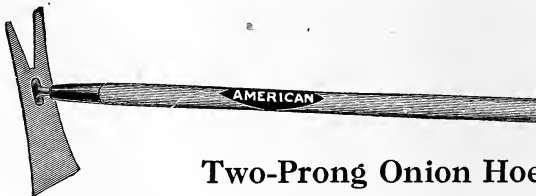
Square Hoes--Solid Shank

No. G. O. X... .. \$0.85
No. L. E. Self-Sharpening \$1.25



Steel Warren Hoe

No. W7..... \$1.00
No. W8.....\$1.15



Two-Prong Onion Hoe

Will be found very valuable in weeding in narrow rows.
No. 2P Price.....\$0.60



English Digging Fork

The strongest and best spading fork made, Square tines. Oil tempered.

No. ED4. English Digging Fork.....\$2.50
No. Old. Flat Tine..... 1.75

One-Piece Steel Mattock

Just the tool for heavy soil. Has two oil tempered blades. Strong and light. 4½ ft. ash handle.

No. DE3H.\$1.25



We carry in stock many new styles of Garden Tools. Owing to lack of space, we had to omit many.

Flower Pots, Saucers, Plant Tub, Etc.



Earthen Flower Pots

These cannot be sent by Parcel Post.

Height and Width inside	Each	Doz.	100	1000
2 "-----	\$0.02	\$0.16	\$1.23	\$11.25
2 1/4 "-----	.02	.18	1.40	12.75
2 1/2 "-----	.03	.24	1.65	15.00
3 "-----	.03	.28	2.14	19.50
4 "-----	.05	.42	3.30	30.00
5 "-----	.07	.78	5.94	54.00
6 "-----	.10	1.08	8.91	81.00
7 "-----	.17	1.62	14.85	
8 "-----	.25	2.81	21.45	
9 "-----	.39	4.32	33.00	
10 "-----	.52	5.83	44.55	
11 "-----	.78	8.64	66.00	
12 "-----	1.07	11.88	90.75	
14 "-----	1.75	19.44	148.50	

Earthenware Saucers

	Each	Doz.	100	Ins. Diam.	100	1000
4 inches-----	\$0.04	\$0.43	\$2.48			
5 "-----	.04	.43	3.30	2 1/4-----	\$0.50	\$4.51
6 "-----	.07	.72	4.95	2 1/2-----	.57	5.25
7 "-----	.08	.86	6.60	3-----	.78	7.15
8 "-----	.10	1.15	9.08	3 1/2-----	1.07	9.80
9 "-----	.14	1.45	12.38	*4-----	1.34	12.25
10 "-----	.18	2.02	14.85	*5-----	2.30	19.20
11 "-----	.22	2.45	18.15	*6-----	2.80	25.65
12 "-----	.26	2.88	22.28			
14 "-----	.44	4.90	37.13			

Painted Pot Labels

No. in pkg.	100	1000
4 inch...1000...	\$0.20	\$1.65
4 1/2 inch...1000...	.25	1.95
5 inch...1000...	.30	2.15
6 inch...1000...	.35	2.65
8 inch...250...	.95	7.75
10 inch...250...	1.20	10.10
12 inch...100...	1.40	12.00
18 inch for field use	3.25	30.00

Tree label, 3 1/2 inch Notched copper wired per 100, 30 cts. per 1,000 \$2.60.



A complete 5 shovel cultivator with detachable double point reversible shovels. Adjustable from 10 to 14 inches in cutting width. A garden tool that will please the most exacting.

Completely bundled.
Weight 21 lbs.

"Holco" Plant Tub



Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust.

	Inside Diam.	Each
No. 6-----	11 in.	\$1.25
No. 7-----	12 in.	1.50
No. 8-----	13 in.	1.90
No. 9-----	14 in.	2.20
No. 10-----	15 in.	2.35
No. 11-----	16 in.	2.70
No. 12-----	17 in.	3.15

Cedar Plant Tub



Equipped with Strong Iron Hoops

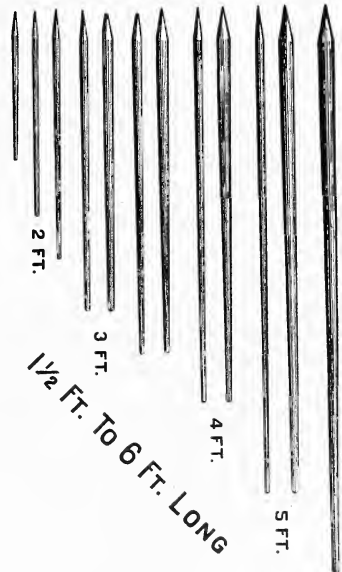
These are made by hand of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.

	Inside Diam.	Each
No. 0-----	25 in.	\$10.50
No. 1-----	23 1/2 in.	9.50
No. 2-----	21 in.	8.25
No. 3-----	18 3/4 in.	6.75
No. 4-----	16 1/2 in.	5.85
No. 5-----	14 1/2 in.	5.25
No. 6-----	12 1/2 in.	4.20
No. 7-----	11 1/2 in.	3.75
No. 8-----	10 3/4 in.	3.10

Paper Flower Pots

	100	1000
2 1/4-----	\$0.50	\$4.51
2 1/2-----	.57	5.25
3-----	.78	7.15
3 1/2-----	1.07	9.80
*4-----	1.34	12.25
*5-----	2.30	19.20
*6-----	2.80	25.65

Size marked * are packed 500 to a crate other sizes 1000. Special price will be quoted on paper pots f. o. b. factory.



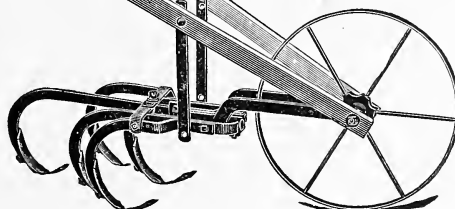
Round Plant Stakes

These are painted green and nicely tapered and finished.

	Each	Doz.	100
1 1/2 feet-----	\$0.03	\$0.25	\$1.88
2 feet-----	.05	.47	3.50
2 1/2 feet-----	.07	.69	5.12
3 feet-----	.08	.91	6.75
3 1/2 feet-----	.10	1.13	8.37
4 feet-----	.12	1.34	10.00
5 feet-----	.16	1.78	13.25

"Holco" Cultivator

Price \$4.85

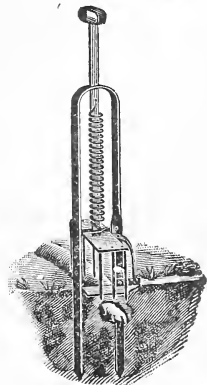


Mole Traps

Each \$1.00

How to Catch Moles

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening as moles usually stir about very early in the morning.



Jumbo

Insect Powder Gun. Handy for dusting dry insect powders. Price 45 cts. postpaid.



All Prices subject to Market change

Insecticides and Fungicides

Marked * can be sent by Parcel Post at Purchaser's expense. Consult your local Postoffice for rates from Canton, Ohio. Directions for using any of these Insecticides or Fungicides will be found on each package.

***Ant Exterminator.** Powder used for distributing around buildings, greenhouse benches, lawns, gardens, any other places infested by ants. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts.

Arsenate of Lead. (Powdered.) Extensively used. Is instantly soluble in water, a pound goes almost twice as far as two pounds of paste arsenate. Further, you do not have to pay transportation charges on water, which acts as a preservative in paste arsenate. 1 lb. to 2 lbs. dilutes 50 gals. of water. Lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$3.25, 25 lbs. \$7.25. (Write for prices on larger quantities.)

Bordeaux Mixture. (Powdered.) Used principally for mildew, blight, fungus diseases that affect potatoes, fruit trees. 1 lb. 35 cts., 5 lb. pkg. (makes 30 gals.) \$1.40; 10 lbs. pkg. (makes 50 gals.) \$2.25.

Bordeaux Arsenate. (See Pestroy and Pyrox.)

'Black Leaf 40'

This is the insecticide that destroys Aphis (plant lice) as found on Rose Bushes. Leaf Hoppers as found on Potatoes. And all soft bodied sucking insects. Does not injure foliage. Directions for use on each can. But we recommend using about $\frac{1}{4}$ stronger for most effective results.

Full directions on each package. Per 1 oz. bottle 25 cts., $\frac{1}{2}$ lb. \$1.25, 2 lbs. \$3.75, 10 lbs. \$15.50.

Copper Solution. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Qt. \$1.50, gal. \$3.75.

***Dusting Sulphur.** Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Lb. 15 cts., 5 lbs. 50 cts.

Flyosan. Quickly kills flies and other insect pests: applied with a sprayer. Pt. 75 cts., qt. \$1.25, $\frac{1}{2}$ gal. \$2.25, gal. \$4.00.

***Bug Death.** Largely used instead of Paris Green. Claimed to have same effect. Acts as a fertilizer as well as an insecticide; comes in powder form, is applied pure. Not poisonous to persons. Lb. 20 cts., 3 lbs. 50 cts., 5 lbs. 75 cts., 12 $\frac{1}{2}$ lbs. \$1.60.

Carbola. A disinfecting white wash paint. Kills lice, mites and prevents spread of contagious diseases. It dries a clean snow white and is used wherever whitewash can be used. Just the thing for Poultry Houses, Barns, Hog Pens. 1 lb. makes 1 gal. paint 10 lbs. \$1.00, 20 lbs. \$2.00, 50 lbs. \$4.00.

***Hellebore.** Ideal material for destroying rose bugs, currant worms, other soft-shelled insects that infest the garden. Can be applied dry or in liquid form. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 40 cts., lb. 65 cts.

Mag-O-Tite. Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life, but is a valuable stimulant and fertilizer. In powder form, ready for use. 2 lbs. 35 cts., 4 lbs. 60 cts., 8 lbs. \$1.00, 25 lbs., \$2.50, 100 lbs. \$8.50.

Melrosine. The only remedy, endorsed by leading authorities, that kills rose bugs and other insects. Used with any good spray-pump, diluted with from 20 to 25 parts of water. Guaranteed effective when used according to directions on can. Gal. \$6.00 half gal. \$3.25, qt. \$1.75, pint, \$1.00. Trial size, 50 cts. By mail or express at customer's expense. Or trial size, sufficient to make one gallon when diluted, and care for several plants for the season, post-paid for 60 cts.

***Nico-Fume.** Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphids, white fly, and red spider, etc. Per $\frac{1}{4}$ lb. (about $\frac{1}{4}$ pt.) 75 cts., lb. (about 1 pt.) \$2.35, 4 lbs. (about $\frac{1}{2}$ gal.) \$8.50, 8 lbs. \$16.50.

Nicotine. (Hall's.) (40%). An efficient preparation of purified free nicotine for the control of plant lice and similar soft bodied insects. per $\frac{1}{2}$ lb. can, \$1.50, 2 lb. \$4.50, 8 lb. can \$15.75.

Nicotine Fumigator. (Hall's 12 $\frac{1}{2}$ %). For fumigating greenhouses; take the place of fumigating paper and tobacco dust; complete with directions. 2 $\frac{1}{2}$ lb. size \$2.50, 10 lb. size \$8.50.

Kerosene Emulsion. (Liquid) (Miscible Oil), Diluted in water this makes an excellent spray for all mild forms of scale and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes 1 part to 20 parts of water. Per pt. 50 cts., qt. 85 cts. gal. \$2.50

Lime Sulphur. (Dry powder form.) Powdered Lime Sulphur is becoming very popular on account of the small expense for shipping. Is instantly soluble in either cold or hot water, dilute 1 lb. to 6 gals. of water; does not separate, keeps indefinitely. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.00, 25 lbs. \$4.50. (Write for prices on larger quantities.)

P. T. B. (Para-Dichlorobenzene). For peach tree borers; full directions on each package. Per 1 lb. 60 cts., 5 lbs. \$2.50, 10 lbs. \$4.00, 25 lbs. \$8.50, 50 lbs. \$15.50, 100 lbs. \$30.00.

Paris Green. The chief merit of this article is the destruction of the potato bug. May be used in liquid form. 1 lb. in 50 gals. of water, or with Land Plaster at the rate of 1 lb. Paris Green to 100 lbs. Land Plaster. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 50 cts.

Spray with Pestroy

Kills Leaf Eating Insects and Prevents Blight

Insecto is a combination spray of Arsenate of Lead and Bordeaux Mixture which is applied at one spraying. It sticks to the leaves and is not readily washed off by rains. Use on Cabbage, Currants, Potatoes or any plant where worms are eating the leaves. One pound makes 5 to 7 gal. of spray. Insecto is a dry powder which only needs to be mixed with water as needed. Easy to use, effective, economical. 1 lb. 40 cts., 5 lbs. \$1.65, 10 lbs. \$2.85, 25 lbs. \$6.25.



Pyrox

Kills Bugs, Prevents Blight

A pasty substance used for all leaf-eating insects. Very effective for fungus diseases. One pound makes 5 gals. spray. Lb. 45 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6.00, 50 lbs. \$10.00, 100 lbs. \$18.00.

Scalecide. The best spray for San Jose Scale, maple scale. It is not poisonous, mixes with cold water, and is ready to apply. 1 gallon to 20 gallons of water sprayed on trees and bushes will kill every scale that it reaches without injury to tree or fruit if applied in late fall or early spring while the foliage is off. 1 qt. 65 cts., 1 gal. can \$1.50, 5 gal. can \$6.50, 10 gals. \$11.25, Bbl. 30 gals. \$27.00.

***Slug Shot.** The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 1 lb. 20 cts., 5 lbs. 60 cts.

***Sulpho Tobacco Soap.** For plants, trees, etc. 3 oz. pkg. 10 cts., 8 oz. pkg. 20 cts.

***Tobacco Dust.** The best of the Tobacco Dusts for dusting or fumigating. Lb. 15 cts., 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.75, 100 lbs. \$6.00.

Tobacco Stems. Used for fumigating, and under benches in greenhouses. Bale of 100 lbs. \$2.50. (Write for special prices on larger lots.)

***Tree Tanglefoot.** A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Lb. 50 cts., 5 lb. can \$2.25 10 lb. can \$4.25.

***Whale or Fish Oil Soap.** For mild forms of scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. Good for washing off ferns, plants, lemon trees, oleanders and almost anything that would be infected with a soft-shelled or in fact almost any kind of insect. Dissolve in water according to directions, $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50.

Worm Eradicator. (Reade's Electric.) This has been found to effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or among trees. Per 24 oz. \$1.00, gal. \$4.00.

Weed Killer. The dilution is 1 to 50 parts of water, made so easily that a boy or child can attend to it. A gal. diluted is sufficient to cover a space 100 to 150 sq. yds. Application is best made with a watering can to insure uniform distribution, the most advisable time being after a rain, which is when weeds start to sprout and grow. Single applications last almost an entire season. Full directions as regards quantities needed, are printed on each container. 1 gal. (makes 50 gals., \$1.75.

Prices on Insecticides and Fungicides subject to Market change

WIZARD
TRADE BRAND MARK
PULVERIZED

Sheep Manure

*Gives the soil what it needs
to make things grow.*



Best Fertilizer for Lawns, Gardens-Fields

We sell carload after carload of it. Our customers are learning its great value as a crop producer and soil builder. Sheep Manure is one of the most extensively used of animal manures. The analysis proves it to be a perfectly balanced plant food. There is absolutely nothing equal to Wizard Sheep Manure for Grass, Flowers, Shrubs, Trees, Vines, Vegetables, Bulbs and Field Crops. It is highly concentrated, convenient and easy to apply, and being dry and finely pulverized mixes thoroughly with the soil and gets right to work. Any weed seed present is destroyed when the product is passed through a temperature of 2000 degrees, as no seed will ever germinate after being subjected to this terrific heat. Use Wizard Sheep Manure—Because no matter what kind of soil you have or what its condition, Wizard Sheep Manure will give it what it naturally needs. It is Nature's fertilizer, does as nature intends, and it contains all necessary plant food elements, Nitrogen Phosphoric Acid and Potash in combination with organic matter or humus. It is this natural combination that produces the peculiar action or effect in the soil, which can be had only from the use of animal manures. It makes things grow, building up your soil and adding hundreds of dollars in value to your land. We sell it by the carload. Some customers buy full carloads (20 Tons) others 10, 5, 2, 1 Ton and less.

CAUTION—There are imitations—Be sure the word "Wizard" is on the bag or tag. Wizard is Guaranteed Pure Pulverized Sheep Manure. No waste, No filler. Order now. We ship it everywhere. **100 lbs. \$3.00, 50 lbs. \$1.75, 25 lbs. \$1.00, 10 lb. Pkg. 60 cts., 5 lbs. Pkg. 35 cts.** Write for prices on larger quantities.

Fertilizers

Write for prices on larger quantities: All prices are subject to market changes

ACID PHOSPHATE. 16 %. Apply 1,000 lbs. per acre. The standard fertilizer for soils requiring Phosphoric Acid. For gardens it is very effective. **5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.50.**

BONE AND PHOSPHATE. Apply 400 to 600 lbs. per acre. An ideal fertilizer for farm, lawn or garden crop. **5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$1.75, 100 lbs. \$3.25.**

BONE MEAL. (Fine ground.) Made from pure animal bone; unusually rich in nitrogen and phosphoric acid, the two principal plant foods. For lawn making, grain, grass and clover and as a top dressing for hay and pasture fields, bone is especially recommended. The plant food is taken up only as required and for that reason continues to feed the grass for a long time. Apply 800 to 1000 per acre. **3 lbs. 25 cts., 5 lbs., 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.40, 50 lbs., \$2.50, 100 lbs. \$4.50.**

COW OR CATTLE MANURE. (Shredded.) A fine top dressing for lawns, gardens or in greenhouses. **100 lbs. \$3.25.**

NITRATE OF SODA. Nitrate of Soda is not a substitute for other Manures. Use as a top dressing at the rate of 100 to 150 lbs. per acre on vegetables, when plants are well established. For home garden apply as a solution 1 oz. to one gallon of water. **Price, 1 lb. 15 cts., 5 lbs., 65 cts., 10 lbs. \$1.10.** Write for price on larger quantities.

MURIATE OF POTASH. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Must be used with great care, is very powerful. Excellent for potatoes, corn, grains, etc. Analysis equal to 50 per cent actual potash. Write for prices.

SULPHATE OF AMMONIA Most concentrated source of Nitrogen, better than Nitrate of Soda. Entirely soluble and quickly available. Apply dry at rate of 1 lb. per sq. rod of ground or dissolve 1 oz. in one gal. of water and sprinkle on rows. **Price 1 lb. 15 cts., 5 lbs. 65 cts. 10 lbs. \$1.15.**

Write for prices on larger quantities and literature.

BON ARBOR. A complete fertilizer for house plants, flower and vegetable gardens. Highly concentrated to be used in a liquid or powder form. Directions for use on container. **8 oz. can 35 cts., 1 lb. 65 cts.** By Parcel Post 5 cts. extra.

Lawnlime

The Grass and Garden Tonic

Lawnlime will renovate old lawns and gardens, cure the acidity of the soil. Promotes growth, gives grass a rich green color. For renewing old gardens and lawns it is unequaled. Guaranteed not to burn the sod. Has a tendency to prevent the growth of weeds. Apply at rate 100 lbs. per 400 sq. feet or $\frac{1}{2}$ ton per acre on lawns. **100 lb. sack \$1.00, 3 sacks \$2.75.** Write for prices on larger quantities.

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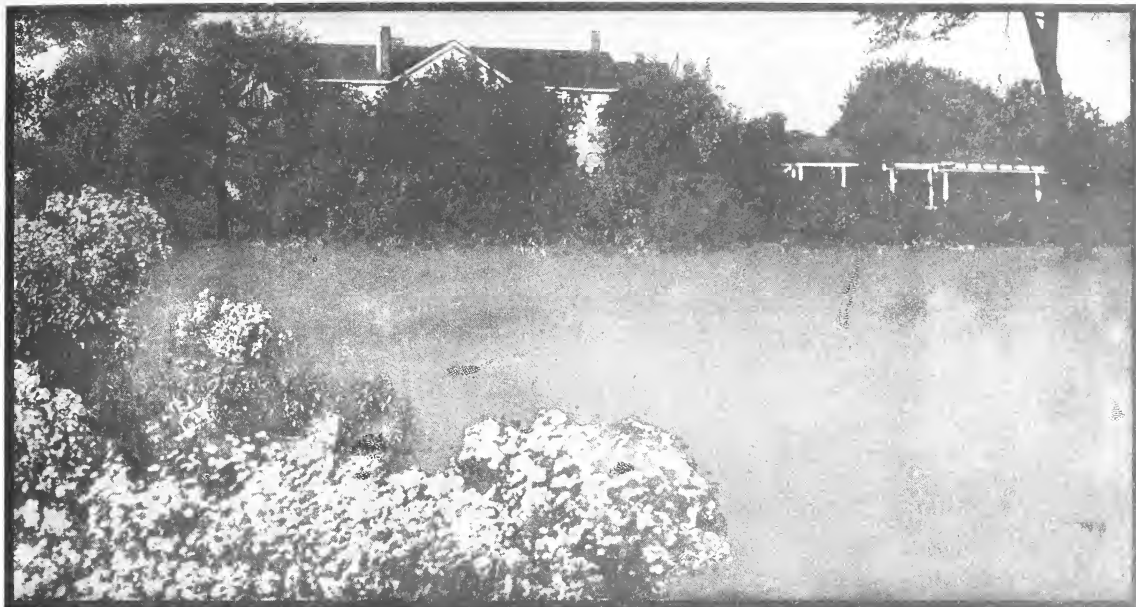
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"Velvet Green" Lawn Grass Seed

THE question of good lawns is not only the question of sowing the very best grass seed, but you must have the correct grasses assembled to produce a good, permanent and fine-textured lawn.

It pays to make your soil suitable for the grasses you want to develop; it must be fine and granular.

Pulverized sheep manure or rotten manure worked into a clay soil will lighten and fertilize it. On a sand or sandy loam, lime and plenty of sheep manure to build a body in the soil will be all that is required.

Holco "Velvet Green" Lawn Grass Seed is an intelligently arranged combination of fine-leaved, dwarf grasses, which will stand wear and tear, outlive the winter, and retain at all times their lustrous green color. It will produce a perfect turf of deep green sward in four to six weeks time. Whether you want to seed a small grass plot in your yard, or a lawn of more pretentious size, you should use this grass mixture. **Delivered Free in United States** (by Mail, Express or Freight), at our option. **Lb. 60c; 5 lbs. \$2.85; 10 lbs. \$5.50; 100 lbs. \$52.50; (25 lbs. or more supplied at 100-lb. price.)**

Evergreen Lawn Seed

A mixture meeting the requirements of those desiring a moderately priced grass seed. **1 lb. 50c; 5 lbs. \$2.35; 10 lbs. \$4.50; 100 lbs. \$42.50. (25 lbs. or more supplied at the 100-lb. price.)**

"Holco" Terrace Lawn Seed

This is a special blend of grasses and especially suited for sowing on terraces, embankments and hillsides. It is composed of grasses that produce long, strong, fine leaves and deep, spreading roots, thus preventing heavy rains from washing them out. They will withstand drought and exposure and, at the same time, produce a green, velvety turf throughout the season. **Lb. 60c.; 5 lbs. \$2.85; 10 lbs. \$5.50; 100 lbs. \$52.50; (25 lbs. or more, supplied at 100-lb. price.)**

"The hundred pounds of your Velvet Green Lawn Grass Seed which we sowed this past spring has come up fine, and it certainly is the talk of the neighborhood. I recommend your seed above all others."

D. E. H.

Quantity of seed to use for new lawn is 100 lbs. per acre. For a lot 15 by 20, or 300 square feet, use 1 pound. For renovating old lawns, use one-half of above quantities.

"Holco" Shaded Lawn Seed

Shaded locations, produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions and have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this, apply lawn lime at the rate of 50 pounds to 200 square feet of lawn. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. **Lb. 60c.; 5 lbs. \$2.85; 10 lbs. \$5.50; 100 lbs. \$52.50; (25 lbs. or more supplied at 100-lb. price.)**

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Is used in lawn mixtures. Especially suited to meadows and rich lands. It is the grass of the famous and fertile limestone soils of Kentucky, and is no less a favorite all through the northern states. **Lb. 60c.; 5 lbs. \$2.85, postpaid; 10 lbs. \$5.50.**

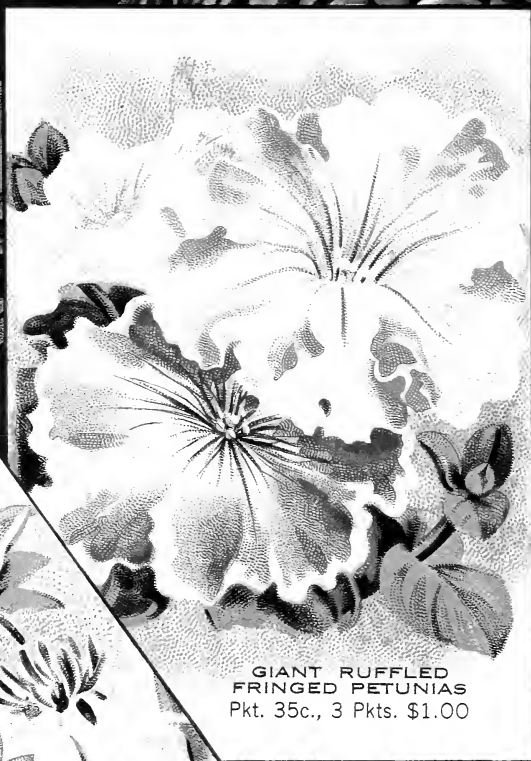
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The best variety for lawns, as it forms a close herbage and remains green throughout the season. It is also valuable when mixed with grass seed for pasture. Sow 10 to 12 lbs. per acre. **Lb. 75c., postpaid.**

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